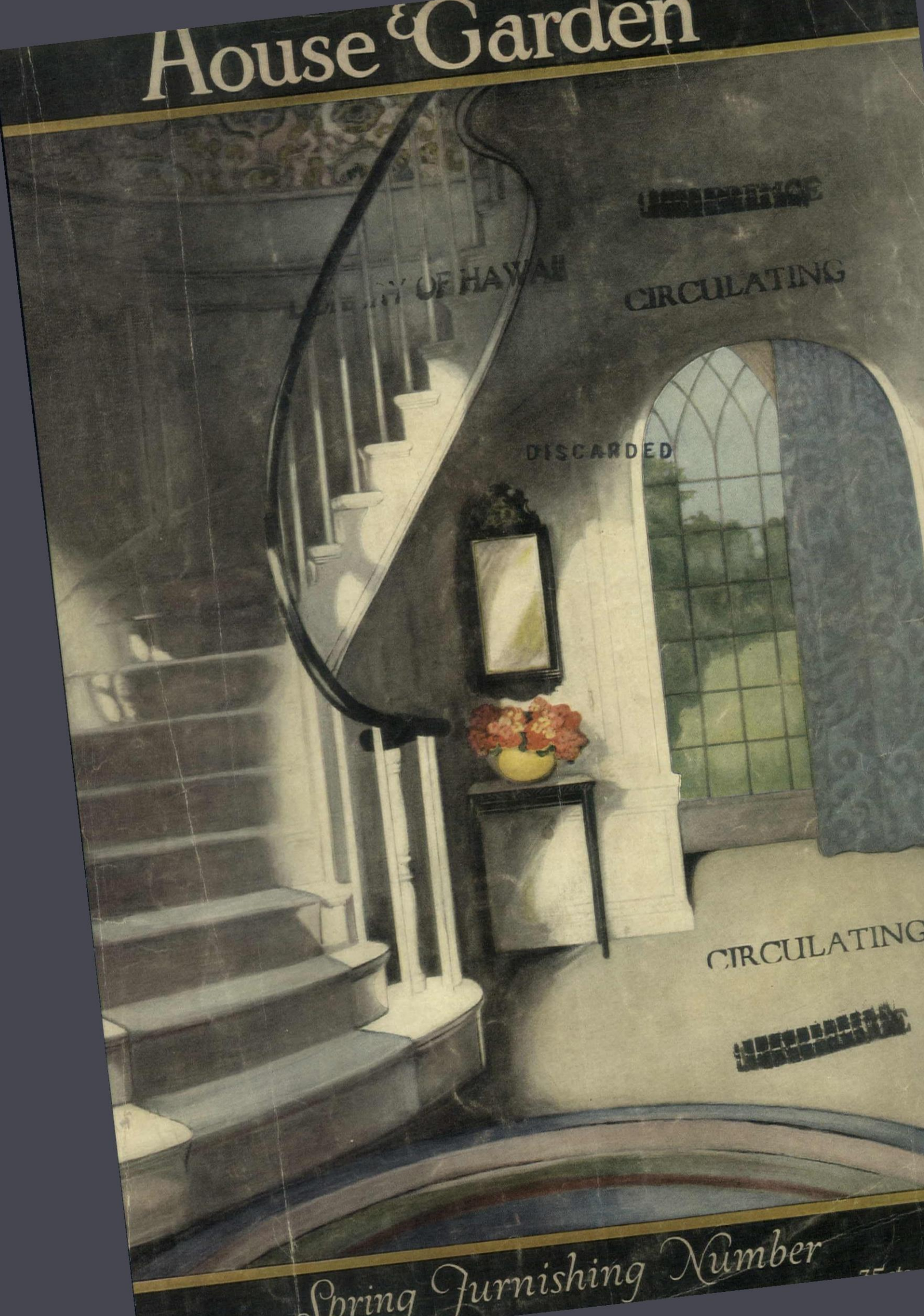
House & Garden



Spring Furnishing Number



Reproduction from a painting in oil by Frank Swift Chase of the Hill School at Pottstown, Pa.

Among prominent schools served by Davey Tree Surgeons are:

NEWPORT NAVAL TRAINING STATION
PENNSYLVANIA MILITARY ACADEMY
THE MISSES MASTERS SCHOOL
EMMA WILLARD SCHOOL
NOTRE DAME OF MARYLAND
MERCERSBURG ACADEMY
BRYN MAWR COLLEGE
GROTON SCHOOL



JOHN DAVEY
Father of Tree Surgery

THERE IS ONLY ONE THING THAT CAN PRODUCE A FINE OLD TREE—AND THAT IS *TIME*

MONEY can buy almost anything else—gardens, houses, drives, shrubbery. But it cannot buy a full-grown tree, beautiful with that dignity and majesty which comes with age alone. A season can produce a velvety lawn; a century is often spanned in the creation of a tree.

Can you, then—if you are the possessor of fine old trees—afford to take chances with them? The tree is a living, breathing thing, and as such is subject to disease and decay. Insect enemies attack it. Structural weaknesses make it, often, the easy victim of storms. The ailing tree, if neglected, will die *prematurely* just as surely as night follows day.

Abundant foliage is not necessarily a sign of tree health. Disease and decay work insidiously, and frequently the most dangerous conditions are not evident to the untrained eye. Too often the warning comes too late—the tree is gone.

What is the real condition of your trees? To find out, come to Headquarters. Davey Tree Surgery is the development of a generation of experience in saving trees around thousands of America's finest homes. It is your guarantee of trustworthy service, because it is backed by an organization of established professional responsibility and financial stability. It treats trees as living organisms, and saves them without guessing or experiment—when they can be saved.

Davey Tree Surgeons are near you—if you live between Boston and Kansas City. They are easily available and handle operations of any size, large or small. *A letter or wire to Kent, Ohio, will bring our local representative promptly.*

THE DAVEY TREE EXPERT CO., Inc., 505 Elm St., Kent, Ohio

Branch offices with telephone connections: New York, Astor Trust Building, Fifth Ave. and 42nd Street; Boston, 467 Massachusetts Trust Building; Philadelphia, Land Title Building; Baltimore, American Building; Detroit, General Motors Building; Chicago, Westminster Building; St. Louis, Central National Bank Building.

Permanent representatives available in districts surrounding Boston, Springfield, Lenox, Newport, Hartford, Stamford, Albany, Poughkeepsie, White Plains, Jamaica, L. I., Montclair, Philadelphia, Harrisburg, Baltimore, Washington, Richmond, Buffalo, Toronto, Pittsburgh, Cleveland, Detroit, Cincinnati, Louisville, Indianapolis, Chicago, Milwaukee, Minneapolis, St. Louis, Kansas City. Canadian address, 252 Laugauchitere West, Montreal.

DAVEY TREE SURGEONS

Every real Davey Tree Surgeon is in the employ of The Davey Tree Expert Co., Inc., and the public is cautioned against those falsely representing themselves. An agreement made with the Davey Company and not with an individual is certain evidence of genuineness



Residence Mr. V. L. Page, Harlam Ave., Rockford, Ill. Bishopric used on all exteriors. Architects—Whitney & Williams, Chicago.

"There's No Place Like Home"

No truer words were ever sung or spoken

YOUR OWN HOME

In the realization of your dreams and desires—no expenditure is so important as that which you make for a home.

Mistakes in home building are a source of irritation year after year, while good judgment shown in the beginning yields full measure of satisfaction.

Make sure that the materials that go into your house will give you the greatest possible return in comfort and permanency.

The life of a Bishopric Stucco house cannot be reckoned by years, but by generations. It is always beautiful, for the hand of time serves but to enrichen its charms.

BISHOPRIC STUCCO *over* BISHOPRIC BASE

Provides a Unit Wall for "All Time and Clime"

A BISHOPRIC STUCCO HOME MEANS

(a) Least Cost for Labor
(b) Least Cost for Material
(c) Speed of Construction
(d) Strength, Stability, Endurance
(e) Living Comfort, Winter and Summer
(f) Lowest Maintenance Cost

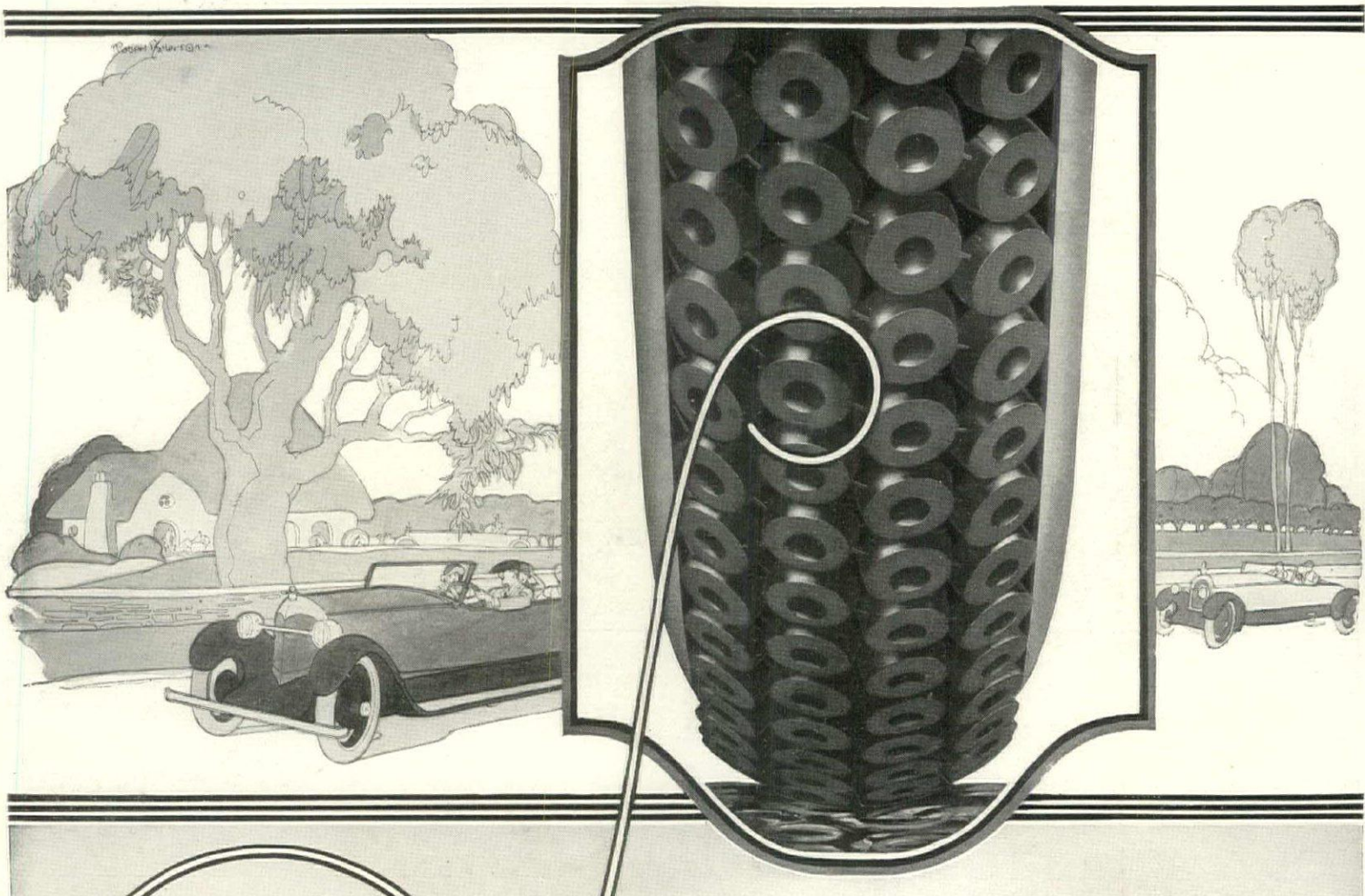
To those who are contemplating building, we have prepared "Bishopric for All Time and Clime", a booklet, containing facts and figures and illustrated with photographs of beautiful houses built with *"BISHOPRIC."* It will be mailed to you upon request at our expense. Please ask for it.

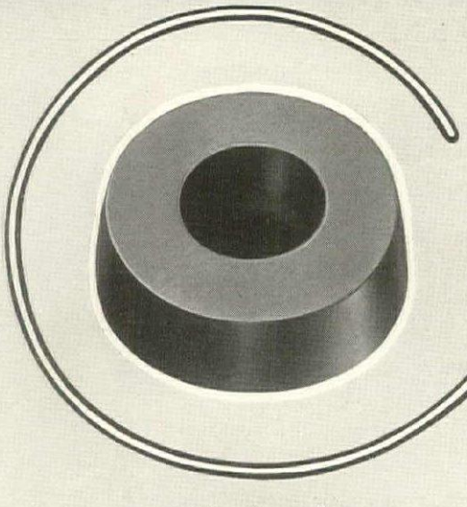
(Sold by Dealers Everywhere)

THE BISHOPRIC MANUFACTURING CO.

594 Este Avenue **Cincinnati, O.**

Offices and Factories: Cincinnati, Ohio, and Ottawa, Canada. New York City Office: 2848 Grand Central Terminal.





"The Sound of Safety!"

Owners of large, better-grade cars, in ever-increasing numbers, find the distinctive appearance of Vacuum Cup Cord Tires harmonizes perfectly with all other carefully-chosen equipment.

They also find that, no matter how wet the pavement, "*The Sound of Safety*" of the Vacuum Cup Tread means absolute skid-immunity without loss of momentum or power.

While in the matter of miles, Vacuum Cup Cord Tires roll on and on to new and gratifying record averages.

PENNSYLVANIA RUBBER CO. OF AMERICA, Inc.,
JEANNETTE, PA.
Direct Factory Branches and Service Agencies Throughout the World

HOUSE & GARDEN
MAY 1922

House & Garden is published monthly by Condé Nast & Company, 19 West 44th Street, New York. SUBSCRIPTIONS for the United States, Porto Rico, Hawaii and the Philippines, $3.00 a year in advance. Entered as second class matter August 26, 1909, at the Post Office at New York, N. Y., under the act of March 3, 1879.

Vol. No. 41 No. 5



Studebaker

BIG-SIX

The new BIG-SIX is a genuine thoroughbred among motor cars. And it looks the part. Sleek, alert, responsive. Carries no excess weight. Smart in appearance, gets under way like a flash, and travels at all speeds with an evenness and grace that endear it to all who ride in it or drive it.

Studebaker has been building quality vehicles for 70 years and is today the world's largest builder of six-cylinder automobiles.

7-passenger; 126-inch wheelbase; 60-H. P. detachable-head motor; intermediate transmission.

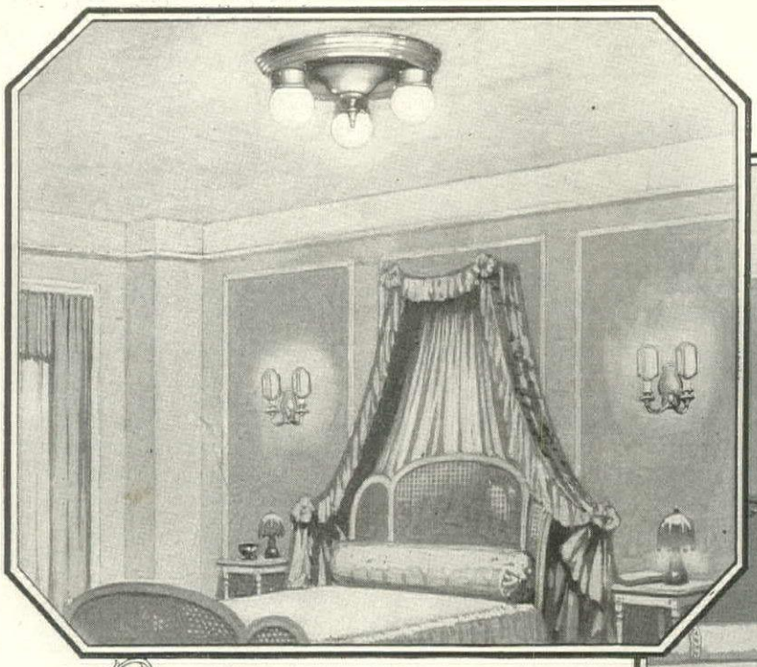
Big-Six Touring Car, seven-passenger	$1785
Big-Six Coupe, four-passenger	2500
Big-Six Sedan, seven-passenger	2700

f. o. b. factory

THE STUDEBAKER CORPORATION OF AMERICA
Detroit, Mich. SOUTH BEND, IND. Walkerville, Ont.

World's Largest Builder of Six-Cylinder Cars

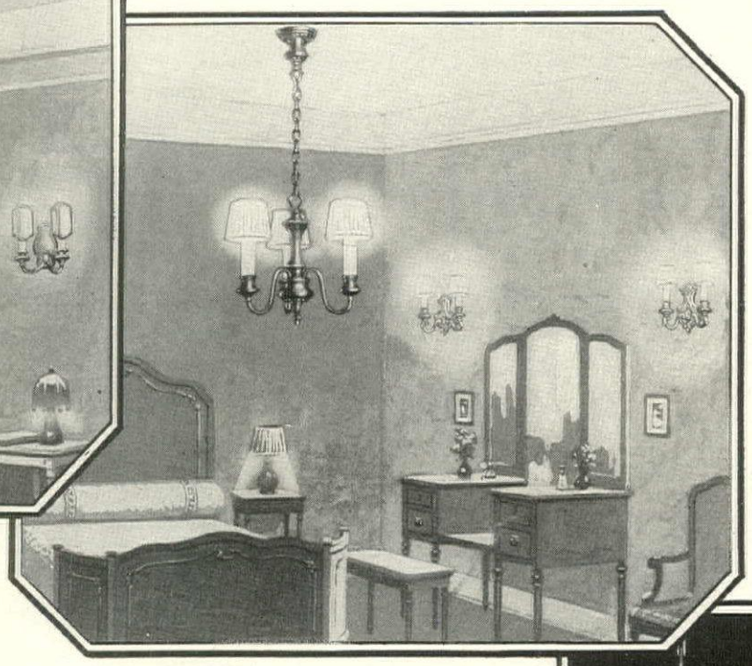
THIS IS A STUDEBAKER YEAR



Ball-Lamp Close-to-Ceiling Lightolier

After Sunset-Lightolier

Candle Lightolier with Individual Silk Shades



Two Ways of Lighting a Bedroom



This Ball-Lamp Close-to-Ceiling Ring Lightolier with two lights has quite a vogue as a bedroom fixture.

ONE gives a general, practically shadowless illumination reaching every nook and corner of the room. (Note the illustration at the left.) The other gives a softer, more diffused illumination, in which often-desired shadow effects are *not* eliminated. (Note the illustration at the right.)

The three-light Ball-Lamp Close-to-Ceiling Lightolier produces the general, shadowless lighting effect. Candle Wall Brackets add decorative spots and a cozy atmosphere to the room.

The three-light Candle Lightolier with individual silk shades produces the soft, diffused illumination that retains the artistic shadows. Silk-Shaded Candle Wall Brackets on either side of the dressing table give added illumination for dressing.

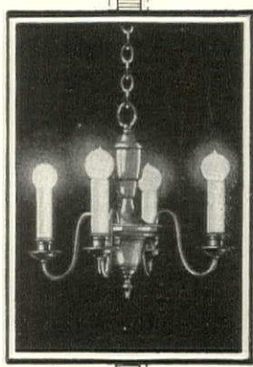
Just as Lightolier has met the need for artistic bedroom lighting, so has it solved *every* problem of home lighting—at surprisingly low cost. Lightolier Advisory Service, which can help you solve *your* particular lighting problem, is at your disposal, gratis.



This Candle Ring Lightolier with three lights makes an admirable bedroom fixture when fitted with individual silk shades.



Suspended thirty-six inches from the ceiling, this Lightolier gives a general illumination in the boudoir. Hand painted glass shades.

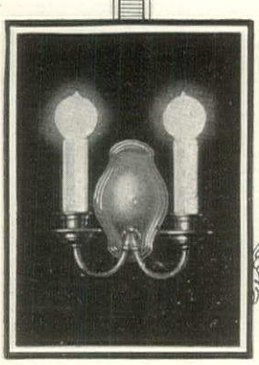


This four-light Candle Lightolier is but one of many candle designs always on display at your dealer's or in our own show rooms.

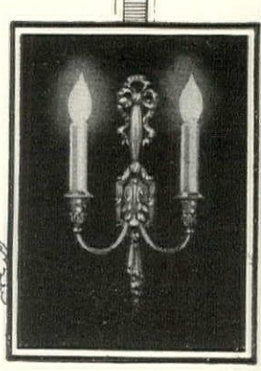
Lightolier has nation-wide distribution. There is at least one Lightolier dealer in your town, where you can examine adequate stocks of Lightoliers and also obtain Lightolier expert advisory service gratis.

If you don't know where the nearest Lightolier dealer is, write us and we will gladly tell you by return mail, and send you at the same time, our Booklet 15.

For convenience of people in New York, our show-rooms are accessibly located.

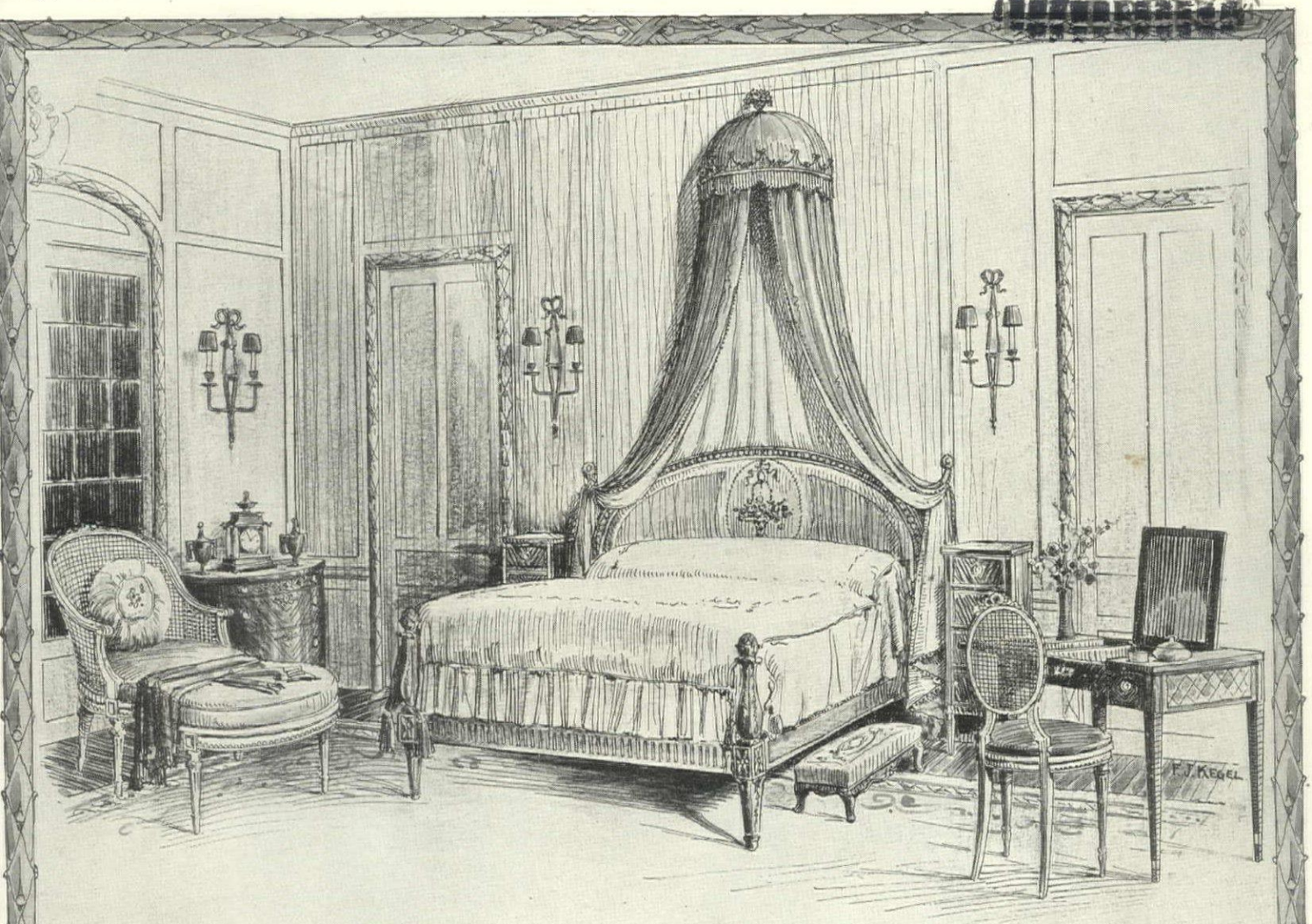


This ivory finished Candle Wall Bracket with its delicately lined border in pastel blue or pink, harmonizes gracefully with the color scheme of the boudoir.



In the more pretentious bedroom, this Louis XVI Candle Wall Bracket lends an air of distinction that can only be equalled by the other Lightolier period designs to be seen at your dealer's or at our show rooms.

Lightolier
COMPANY, N.Y.
569 Broadway at Prince St.
LIGHTING FIXTURE and LAMP HEADQUARTERS



Furniture

transcending the commonplace, well within moderate cost

A PREDILECTION for harmonious surroundings quite often finds its truest expression in the appointments chosen for the most informal of rooms.

¶ Thus, a charming Sleeping Room or Boudoir, drawing its inspiration from Marie Antoinette's day, may reflect the owner's personality in such appointments as the graceful *chaise longue* in a subdued glaze, the softly draped bed in antique gold, and their companion pieces in the glowing woods of that Period —each detail imparting to this daintily arranged apartment a pleasing touch of individuality. There is a wealth of such suggestion for the formal as well as informal rooms, however simple or elaborate the requirements, in the Furniture and kindred objects on view here.

¶ Withal, the policy of *moderate prices* always maintained by this establishment was never more strongly in evidence than it is today.



De luxe prints of attractive interiors, simple or elaborate as desired, gratis upon request.

New York Galleries

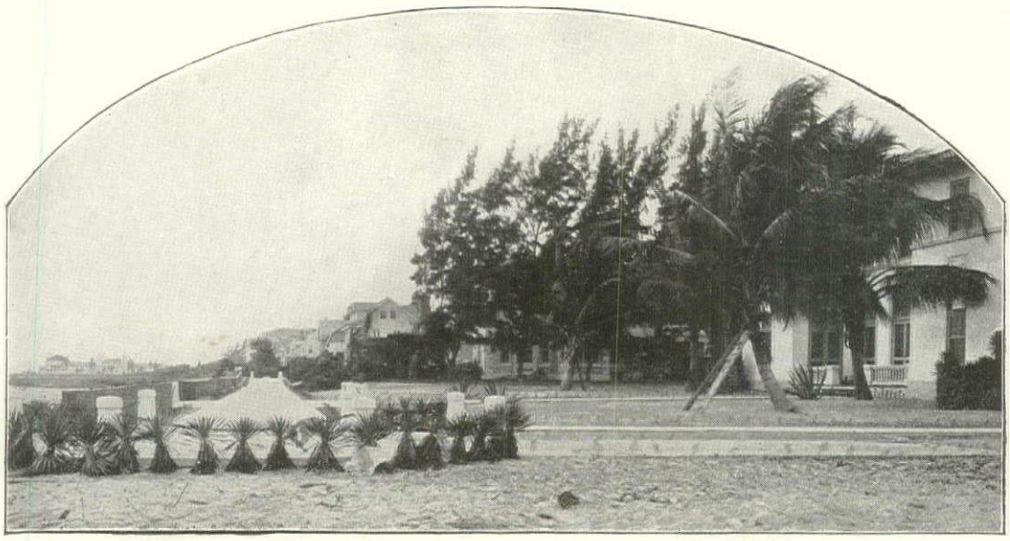
Grand Rapids Furniture Company
INCORPORATED

417-421 MADISON AVENUE
48th~49th Streets ~~ Formerly of West 32d St.
NEW YORK

Furniture : : Decorative Objects : : Reproductions

MR. OTTO H. KAHN

Uses Curtains of Quaker Casement Lace in His Palm Beach Home



MR. OTTO H. KAHN'S reputation as a financier is, if possible, excelled by his fame as a collector of rare treasures of art.

In his Palm Beach cottage, his decorator had the problem of curtaining the windows with a material which would at once soften the brilliant sunlight and yet preserve a feeling of coolness and delicacy. Elsie Sloan Farley found the satisfactory answer in Quaker Casement Lace. This is an interesting solution for the woman with a sun porch problem.

Decorations by Elsie Sloan Farley
of New York



To the right, and below, are corners of two of the living rooms in Mr. Kahn's cottage.

Elsie Sloan Farley solved the problem of curtaining the unusual window to the right with Quaker Casement Lace, very simply treated. This arrangement does not shut out either the sunlight or the view, and yet it insures the privacy of those within.

Booklets That Will Help You

Booklets "Concerning Window Draperies" and "Twelve New Ideas for Decoration" will be sent free if you mention the name of the best retailer handling window draperies in your city or shopping center. Otherwise enclose 10 cents in stamps.



QUAKER LACE COMPANY

Mills: Philadelphia, Pa.

Wholesale Salesrooms: 890 Broadway, New York



The Credentials of Mahogany



A Genuine Mahogany Chippendale chair in the Metropolitan Museum, New York City.

Note the application of its style to the modern interior shown above.

This is the first advertisement of a series showing that Mahogany is essential to the following types of furniture: Chippendale, Sheraton, Hepplewhite, Duncan Phyfe and the leading types of Colonial design.

IMAGINE a copy of Gainsborough's "Blue Boy" done in water color, or a replica of any of the famed styles of the Master Furniture Builders in any wood but Mahogany. Impossible—if preservation of beauty and design is desired.

To preserve the heritage of good taste in your home remember that Chippendale, Hepplewhite, Sheraton and our own Colonial Furniture Builders used Mahogany, and Mahogany alone, because it best expressed the beauty of their ideals in line and color.

—and Mahogany furniture in your home is just as truly evidence of your knowledge of the appropriate.

Write for our illustrated folder describing Chippendale's creative genius in Mahogany.

MAHOGANY ASSOCIATION, NEW YORK

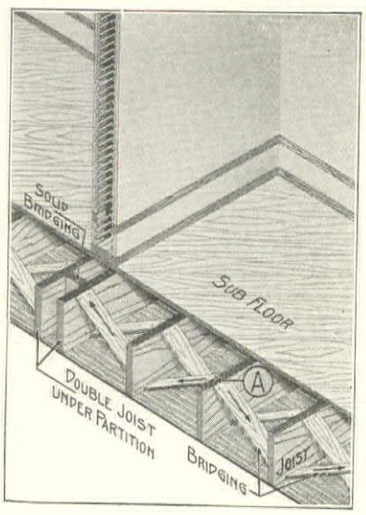
After all—there's nothing like

MAHOGANY



THE DUTCH COLONIAL

The Dutch Colonial style was developed by the Dutch settlers in New York and New Jersey. The gambrel or "Dutch Roof" did not come until the latter part of the 17th Century. This is another of the 16 architectural styles illustrated and discussed in "Good Houses," a book for home-builders interested in good design, efficient planning and thorough construction. "Good Houses" interprets the architectural styles on which American building tradition rests, and which are adaptable to wood construction today. Send for your copy today.



Illustrating Proper Bridging of Floor Joists

THIS picture illustrates the proper bridging of floor joists so essential to good house construction. It is an item overlooked or only superficially taken care of in many houses where correct construction is often sacrificed for speed and cheapness.

A suddenly applied load, such as the dropping of a heavy trunk directly over an unbridged joist, may cause it to give sufficiently to crack the ceiling plaster underneath and pull loose enough nails in the subfloor to produce a squeaking floor.

A suddenly applied load to a properly bridged floor joist, as at point A, is transmitted through the bridging to the neighboring joists and thus absorbed without damage.

Bridging tends to hold all floor joists in equal alignment, but to be effective must be properly fitted and securely nailed.

This is one of the secrets of good house construction, further detailed in the Weyerhaeuser book on "The High Cost of Cheap Construction." Free on request to prospective home builders.

The Well-built House —*how to get it*

LET us say at the outset that a well-built house is not a matter of luck. Anyone who applies the common-sense principles of good house construction can have a better built house today than ever before.

Houses need not be drafty nor hard to heat. Creaking stairs, sagging floors, cracked plaster and the continued sticking and binding of doors and windows—all are unnecessary.

These and other ills are merely the results of faulty construction, due, in a great measure, to the demand for "cheap" houses, hastily built.

LUMBER for house building is of the same good quality as ever. Developments in manufacture are constantly improving it. The great majority of building contractors still want to do an honest job.

But conditions, largely beyond their control, today are forcing legitimate contractors—the men who know good materials and how to apply them, who understand fire-stopping and other modern construction practices, and who see house construction in terms of durability and efficiency—to bid against construction practices that every honest craftsman condemns.

To be sure, a substantially built house costs a little more—but surprisingly little. The slight difference is saved many times over by eliminating an endless succession of repair bills—not to mention constant annoyances and dissatisfaction.

That is why we say, go to a legitimate contractor—one who takes pride in his craft and would rather deliver a good job at a fair profit than a poor job at an unfair profit.

You will find these men more and more using lumber of the Weyerhaeuser standard of quality—trade-marked with the manufacturer's pledge of personal responsibility.

JUST why Weyerhaeuser is backing the legitimate contractor, and how to tell a legitimate contractor by his knowledge of lumber and by his observance of approved construction practices in the building of houses, is contained in "The High Cost of Cheap Construction," a booklet mailed free on request. Ask also for "Good Houses."

Weyerhaeuser Forest Products are distributed through the established trade channels (to contractors and home-builders through the retail lumber yards) by the Weyerhaeuser Sales Company, Spokane, Washington, with branch offices and representatives throughout the country.

EACH *year you will find an increasing number of retail lumber dealers recommending Weyerhaeuser lumber for house building—men who know the relation to correct building practice of properly dried lumber, of uniform grades and of the kinds best suited to your needs.*

WEYERHAEUSER FOREST PRODUCTS
SAINT PAUL · MINNESOTA

Producers of Douglas Fir, Pacific Coast Hemlock, Washington Red Cedar and Cedar Shingles on the Pacific Coast; Idaho White Pine, Western Soft Pine, Red Fir and Larch in the Inland Empire; Northern White Pine and Norway Pine in the Lake States

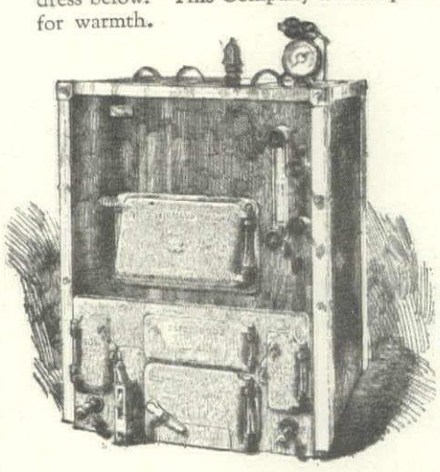


From an etching by M. PAUL ROCHE; © ARCO 1922

Home of H. E. Paddon, a prominent New York architect, in Ridgewood, New Jersey.
The house is warmed with American Radiators and an IDEAL TYPE A HEAT MACHINE.

When an architect plans his own home what heating equipment does he specify?

If you plan to build or remodel, send for our book about the IDEAL TYPE A HEAT MACHINE. Mail your request to either address below. This Company is headquarters for warmth.



HOW many regrets would be avoided if Americans would consult their architects more!

Your architect knows the difference between the kind of heating equipment which is merely a purchase; and the kind which is a life-long investment.

If you demand the cheapest boiler and radiators, he can get them for you.

But a better question to ask him is this: "When you planned *your own home*, what heating equipment did you specify?"

AMERICAN RADIATOR COMPANY

Makers of the famous IDEAL Boilers and AMERICAN Radiators

104 West 42nd Street NEW YORK — Dept. 23 — 816 So. Michigan Ave. CHICAGO



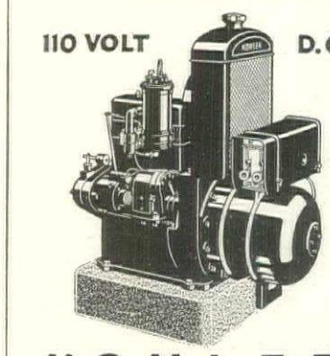
for SUMMER HOMES



for RESORT HOTELS



for BOAT CLUBS



KOHLER AUTOMATIC
Power & Light

This compact plant combines, exclusively, the following features of simplicity, convenience and economy: (1) no storage batteries, (2) automatic start and stop, (3) automatic governor tapering fuel to current being used, (4) standard 110 volt electricity, (5) 1500 watt capacity



for COUNTRY CLUBS



for YACHTS



for FARMS

City's comforts for your country home

Electricity is your constant servant—with the Kohler Automatic Power and Light Plant in your country home.

The steady bright and reliable light which every city home enjoys is yours.

The household work—cleaning, washing, ironing—done for you by electricity.

The Kohler *Automatic* Power and Light Plant differs from all other power and light plants in that it works automatically, without storage batteries.

It delivers current wherever you string a wire—standard 110 volt electricity, up to 1500 watts.

You merely turn any switch along the circuit to start or stop the generation of electricity.

The automatic governor on the plant tapers the fuel consumption to the actual amount of current used.

The *four-cylinder, valve-in-head engine* is quiet, steady, reliable, and is backed by forty-nine years' experience in quality manufacture.

The price—complete, $595. No more than you are asked for ordinary plants which lack the Kohler's exclusive features. This price includes 55-gallon gasoline storage tank. Convenient time payments can be arranged.

Send for interesting illustrated booklet

KOHLER OF KOHLER

Kohler Co., *Founded 1873*, Kohler, Wisconsin
Shipping Point, Sheboygan, Wisconsin

BRANCHES IN PRINCIPAL CITIES

MANUFACTURERS OF ENAMELED PLUMBING WARE AND KOHLER POWER AND LIGHT 110 VOLT D.C.



LONG-BELL

TRADE MARKED LUMBER

These two attractive homes are from the Long-Bell Home Plan Service. There are more than sixty others all equally interesting. The upper picture is Long-Bell Plan No. 360. The lower one is Long-Bell Plan No. 323. Ask your retail lumber dealer to show you the entire service. If he hasn't Long-Bell plans write us and we will give you the names of dealers having this service.

Southern Pine Lumber and Timbers

Creosoted Lumber, Timbers Posts, Poles, Ties, Piling Wood Blocks

California White Pine Lumber

Sash and Doors

Standardized Woodwork

Gum and Oak Lumber

Oak Flooring

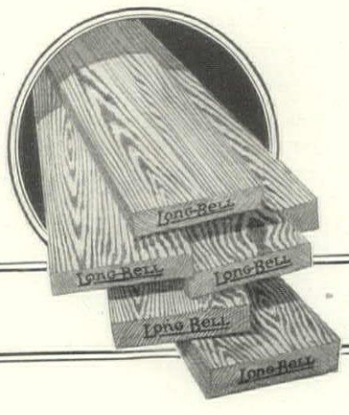
IS THERE any expenditure, any sacrifice, that brings returns equal to the building of a home of your own? What could be finer, what joy greater for any man than to see his family happy and contented *permanently* under a roof of their own!

Truly, a home is "an investment with dividends finer than gold."

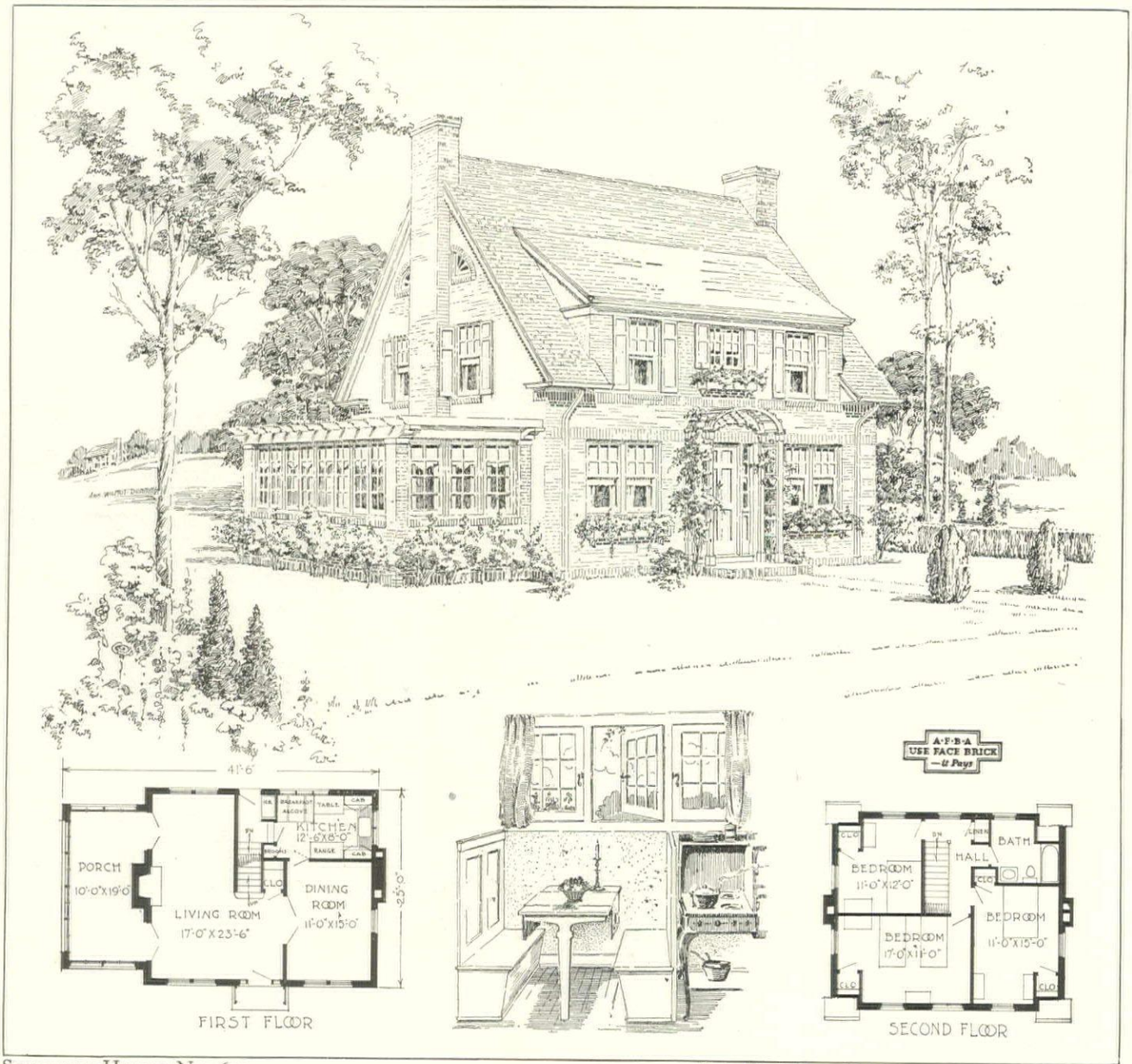
Take the first step today. Go to a retail lumber dealer. Ask him to show you the Long-Bell home plan service. Select a home design that fits your needs and learn from the lumberman how economically Long-Bell homes can be built.

Modern machinery, faithful adherence to high standards of workmanship, strict observance of the grading rules and dependable service have enabled The Long-Bell Lumber Company to apply the word Quality to its products —and these products bear the Long-Bell trade mark.

Ask Your Lumberman for LONG-BELL Brand.



The Long-Bell Lumber Company
R. A. LONG BUILDING Lumbermen since 1875 KANSAS CITY, MO.



SIX-ROOM HOUSE NO. 627 *Designed for the Service Department, American Face Brick Association*

This charming English house is one of the designs in our "Face Brick Bungalow and Small House Plans." It is a fine architectural composition, combining dignity and grace on the outside with hominess and comfort on the inside.

Not How Cheap—But How Good

HOME-BUILDERS today are putting more emphasis on quality than on first cost. They want the best value for their expenditure rather than cheapness. They look upon home-building as a permanent investment.

Almost every one concedes the quality of the Face Brick house—its refined beauty and superior durability; but many still believe that its cost is beyond their means.

The Face Brick house does cost a little more than one of less beautiful and less durable materials, yet its many savings make it, in a few years, the most economical house you can build. The Face Brick house depreciates almost imperceptibly; it requires no repairs and need be painted only around doors and windows; and it saves money in fuel costs and insurance rates.

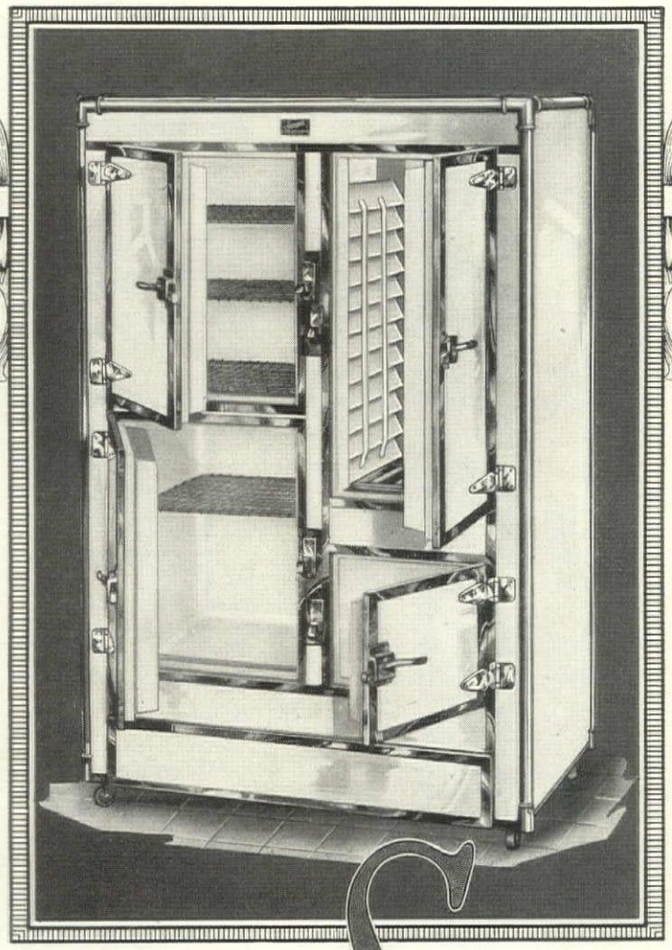
"The Story of Brick," an artistic booklet with numerous illustrations, discusses these matters in detail. It has much helpful information for all who intend to build. Sent free.

"Face Brick Bungalow and Small House Plans" are issued in four booklets, showing 3 to 4-room houses, 5-room houses, 6-room houses, and 7 to 8-room houses, in all ninety-two, each reversible with a different exterior design. These designs are unusual and distinctive, combined with convenient interiors and economical construction. The entire set for one dollar. Any one of the booklets, 25 cents, preferably in stamps.

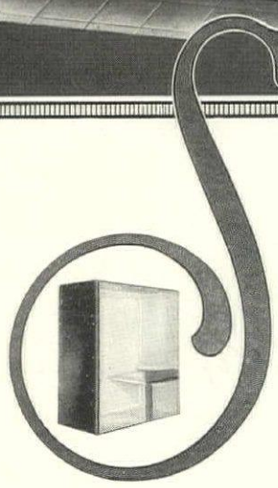
We have the complete working drawings, specifications and masonry quantity estimates at nominal prices. Select from the booklets the designs you like best and order the plans, even if you are not going to build now, for their study will be not only interesting and instructive, but helpful in formulating your future plans for a home.

You may want "The Home of Beauty," fifty designs, mostly two stories, representing a wide variety of architectural styles and floor plans. Sent for 50 cents in stamps. We also distribute complete working drawings, specifications and quantity estimates for these houses at nominal prices.

Address, American Face Brick Association, 1121 Westminster Building, Chicago, Illinois.



Seeger
ORIGINAL SIPHON REFRIGERATOR



Seeger
STANDARD OF THE AMERICAN HOME

The function of a refrigerator is to conserve food—as economically, as hygienically and for as long a time as possible.

Seeger Original Siphon Refrigerators have for many years and in various capacities always filled these requirements to the utmost degree. Each successive year has witnessed added improvements, until today the Seeger stands for the ultimate in refrigeration value and efficiency.

The design shown above is our 1922 All-Porcelain model, embodying our new One-Piece Porcelain Interior and the Nickel-Trimmed Exterior of the same high-grade material.

Its dignity of finish and its positive hygienic qualities recommend it everywhere.

Upon written request, we will gladly furnish a list of Railways, Hospitals, Hotels, Apartments and U. S. Government Institutions—including the Army, Navy, Aviation, Public Health and Shipping Boards—equipped with Seeger Refrigeration.

SEEGER REFRIGERATOR CO.

ST. PAUL, MINNESOTA

Representatives in all Principal Cities

NEW YORK CITY, 399 Madison Ave.
LOS ANGELES, CAL., 311 Terminal Sales Bldg.

BOSTON, MASS., 82 Washington St.
SAN FRANCISCO, 715 Indiana St.

Good Buildings Deserve Good Hardware



CORBIN

A Joy to Live With —Good Hardware

IF the house you now live in has Corbin hardware, you already know what it is to hear the sure click of a smoothly closing door—to be free from annoyance when you raise or lower a window—to feel that the house is absolutely secure when with light pressure of thumb or forefinger you lock up for the night.

If you have never lived with Good Hardware and have overlooked its importance in planning your new home, now is the time to think about it. Mistakes made in the selection of hardware are costly to rectify.

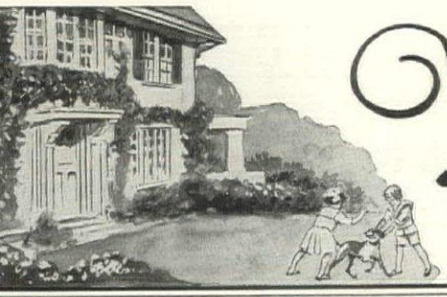
The owner who skimps on the hardware is making a permanent investment in regrets, inconvenience and actual discomfort. Obstinate windows, ill-behaving doors, temperamental locks can be a far greater disappointment than a poorly planned room.

By selecting Corbin you can count on having *expressive* hardware as well as hardware that *works* and hardware that *lasts*. Both your architect and your contractor will tell you that Corbin is Good Hardware and a joy to live with.

Write for booklet, ***"Good Buildings Deserve Good Hardware,"*** *and name of nearest Corbin dealer.*

P. & F. CORBIN
SINCE 1849
The American Hardware Corporation, Successor
NEW BRITAIN CONNECTICUT
New York Chicago Philadelphia

The charm of Good Hardware—the utility of Good Hardware—are both realized in the Corbin trimmed home of William F. Ladd, Cedarhurst, Long Island. Carroll W. Ladd Architect. Photographed by permission



The Home Builder

Asenath Leavitt
Editor

MAY 1922

Chester Lewis
Associate Editor

Published Monthly by NORTH WESTERN EXPANDED METAL CO. 1237 Old Colony Bldg CHICAGO

A Delightful, Moderately Priced Home

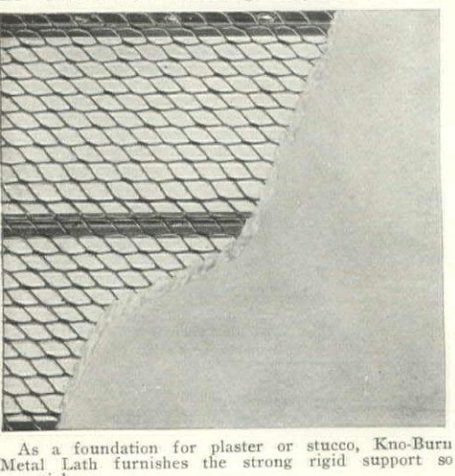
THE charming little stucco residence here pictured so happily combines beauty nd convenience with economy that it has a ery strong appeal for many prospective ome makers.

The style of architecture, while simple in ne and contour, is distinctive, and has ioreover, the happy faculty of fitting into lmost any surrounding.

While it could also be carried out in face rick, yet who can deny the charm of the tucco finish with its limitless possibilities to be different" in the matter of color and nish, and which, when properly erected ver a metal lath base, is so wonderfully ermanent and so economical because of the bsence of painting and repair bills. And ere's another thought for home builders to emember: The steel mesh of the Kno-Burn lath under the surface of the plaster o reinforces it in every direction that crack-ng of the surface, which so detracts from he beauty of stucco is largely eliminated, nd its durability, of course, also is in-creased.

What Government Building Experts Advise

Possibly few people realize how much thought he Government Building Experts—the U. S. Bureau of Standards—have given to stucco to determine the best methods of construction. Their recommendations, the result of years of experimenting and testing is this: "Omit wood sheathing, use a metal lath base and back plaster." Simple—but mightily interesting in these days of high costs, since it points a way of saving at least $250 on an average house and at the same time securing a finer stucco finish. Your architect, if not familiar with these tests, will find further details in Government Technological Bulletin No. 70.



As a foundation for plaster or stucco, Kno-Burn Metal Lath furnishes the strong rigid support so essential.



This home ideally combines a rare quality of beauty with the economy of stucco construction.

Home Walls with a "Heart of Steel"

Just a moment to admire the compact design of the house with its notable absence of waste space —then we must return to the interior, noticing especially the spacious living room, extending right across the front of the house, an especially desirable arrangement where there is a south frontage or where the view merits a "picture window." Wouldn't such a room be charming with rough sand finished plaster walls? Such a background never becomes boresome and it affords such a wondrous possibility for the use of rich, glowing tints in the furniture, rugs and draperies. Streaks or cracks in such walls and ceilings, however, would absolutely mar the charming effect, so we must again have recourse to the necessary ounce of prevention in the shape of Kno-Burn Metal Lath—literally the "steel heart of plaster" as a base for this interior plastering. There are, of course, no excretions from the metal to stain the plaster so that the unsightly cracks you so often see in other ceilings will never mar *your* charming rooms.

The opinion of most modern architects is: "Use Metal Lath throughout if possible, but by all means in the walls and ceilings of the principal rooms where appearance most counts."

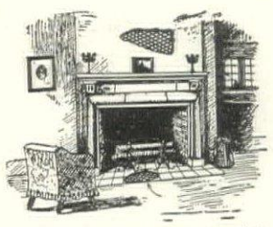
Plaster Base Unaffected by Temperature Changes

The two most overworked rooms in the house—bathroom and kitchen—clamor for attention. Think of the extremes of temperature to which the poor walls are subjected and which cause ordinary walls to expand or contract, with the inevitable result of unsightly cracks in the plaster. Common sense and economy combined dictate the use here of the one plaster base which is unaffected by temperature changes—Metal Lath—under tiling of wainscoting, around door openings, etc.

Don't forget, too, in planning these two rooms to use the best plumbing fixtures your means will afford and allow plenty of room for the little built-in conveniences—linen closet, ironing board, mop cupboard, which every woman wants.

Here's a Book Worth Having

"Home Building" is full of suggestions how to get the utmost in appearance, convenience and durability out of your investment. It is free to prospective home builders. Write for your copy today.



The chimney breast should be protected with Metal Lath. The use of Metal Lath is also advisable under the tile of the hearth reinforcing the concrete.

Asenath Leavitt

North Western Expanded Metal Company:

Please send me your home-building booklet No. 1237.

Name .....

Street .....

City and State .....

Remarks .....

.....

NORTH WESTERN EXPANDED METAL CO.
CHICAGO

CRANE

Your Kitchen and Pantry Deserve the Finest Sanitation Equipment obtainable



Complete Kitchen Installation – New York Exhibit Rooms



Butler's Pantry
New York Exhibit Rooms

THE Crane products shown in the accompanying photographs make possible a new standard of kitchen efficiency.

This fact is reflected in the advanced designing, as well as the thorough quality, of all kitchen and pantry sanitation equipment made by Crane Co. It is complete, convenient, handsome, durable—and so designed that its immaculate cleanliness is easily retained.

If you are planning to build, or to make improvements, we suggest that you visit the nearest Crane Exhibit Room, Branch or Office and learn how thoroughly Crane Service fills your sanitation requirements.

Let Crane Service simplify your homebuilding

Crane quality is also available in valves, steam specialties and general pipeline equipment for business buildings and industrial plants



We are manufacturers of about 20,000 articles, including valves, pipe fittings and steam specialties, made of brass, iron, ferro-steel, cast steel and forged steel, in all sizes, for all pressures and all purposes, and are distributors through the trade of pipe, heating and plumbing materials.

ABERDEEN, S. D.
*ABERDEEN, WASH.
ALBANY, N. Y.
ATLANTA, GA.
ATLANTIC CITY, N. J.
*AURORA, ILL.
BALTIMORE, MD.
BILLINGS, MONT.
*BINGHAMTON, N. Y.
BIRMINGHAM, ALA.
BOSTON, MASS.
BRIDGEPORT, CONN.
BROOKLYN, N. Y.
BUFFALO, N. Y.
CAMDEN, N. J.
*CEDAR RAPIDS, IOWA
*CHARLESTON, W. VA.
CHICAGO, ILL.
CINCINNATI, OHIO
*CLEVELAND, OHIO
DAVENPORT, IOWA
*DENVER, COLO.
DES MOINES, IOWA
DETROIT, MICH.
DULUTH, MINN.
*ERIE, PA.
*EVANSVILLE, IND.
FARGO, N. D.
*FRESNO, CAL.
*FT. WAYNE, IND.
*GALESBURG, ILL.
GRAND RAPIDS, MICH.
GREAT FALLS, MONT.
HARLEM, N. Y.
HARTFORD, CONN.
INDIANAPOLIS, IND.
*JACKSONVILLE, FLA.
*JOPLIN, MO.
KANSAS CITY, MO.
KNOXVILLE, TENN.
LEWISTON, IDAHO
LITTLE ROCK, ARK.
LIMA, OHIO
*LINCOLN, NEB.
LOS ANGELES, CAL.
*LOWELL, MASS.
*MADISON, WIS.
MANKATO, MINN.
MEMPHIS, TENN.
MINNEAPOLIS, MINN.
*MOBILE, ALA.
MUSKOGEE, OKLA.
*NASHVILLE, TENN.

THERE IS A NEARBY CRANE BRANCH OR OFFICE* TO GIVE YOU CRANE SERVICE

CRANE CO.

836 S. MICHIGAN AVE., CHICAGO

VALVES - PIPE FITTINGS
SANITARY FIXTURES

CRANE EXHIBIT ROOMS
23 W. 44TH ST. AND 22 W. 45TH ST., NEW YORK
1105-1107 BOARDWALK, ATLANTIC CITY

To which the public is cordially invited

WORKS: CHICAGO: BRIDGEPORT: BIRMINGHAM

*NEW HAVEN, CONN.
*NEW LONDON, CONN.
*NEW ORLEANS, LA.
NEWARK, N. J.
NEW YORK, N. Y.
*NORFOLK, VA.
OAKLAND, CAL.
OGDEN, UTAH
OKLAHOMA CITY, OKLA.
OMAHA, NEB.
OSHKOSH, WIS.
PHILADELPHIA, PA.
*PHOENIX, ARIZ.
PITTSBURGH, PA.
POCATELLO, IDAHO
*PORTLAND, ME.
PORTLAND, ORE.
*PROVIDENCE, R. I.
READING, PA.
RENO, NEV.
ROCHESTER, N. Y.
ROCKFORD, ILL.
SACRAMENTO, CAL.
*SAGINAW, MICH.
SAN FRANCISCO, CAL.
*SAN JOSE, CAL.
SALT LAKE CITY, UTAH
*SANTA BARBARA, CAL.
SAVANNAH, GA.
SEATTLE, WASH.
*SHREVEPORT, LA.
SIOUX CITY, IOWA
*SOUTH BEND, IND.
*SPRINGFIELD, ILL.
SPRINGFIELD, MASS.
SPOKANE, WASH.
*STAMFORD, CONN.
*ST. JOSEPH, MO.
ST. LOUIS, MO.
ST. PAUL, MINN.
SYRACUSE, N. Y.
TACOMA, WASH.
TERRE HAUTE, IND.
*TOPEKA, KAN.
TULSA, OKLA.
*UTICA, N. Y.
WASHINGTON, D. C.
*WATERBURY, CONN.
WATERTOWN, S. D.
WICHITA, KAN.
*WILKES-BARRE, PA.
WINONA, MINN.
*WORCESTER, MASS.

CRANE EXPORT CORPORATION
19-25 WEST 44TH ST., NEW YORK
301 BRANNAN ST., SAN FRANCISCO, CAL.

CRANE LIMITED
MONTREAL (HEAD OFFICE AND WORKS), CALGARY, HALIFAX, HAMILTON, LONDON, OTTAWA, REGINA, TORONTO, VANCOUVER, WINNIPEG
*EDMONTON, *QUEBEC, *SHERBROOKE, *ST. JOHN, *VICTORIA, *SYDNEY, N. S. W.

CRANE-BENNETT, LTD.
45-51 LEMAN ST., LONDON, E. I. ENG.
*BIRMINGHAM, *MANCHESTER,
*LEEDS *GLASGOW *CARDIFF

THE TIRE COMPETITION OF TOMORROW

THERE has been more advance in the *art of tire making* in the past five years than in almost any other one thing.

That so many of these advances *originated* with the makers of U. S. Tires is perhaps aside from the point.

The concern of the car owner himself is how *he* is going to benefit.

* * *

If tire manufacturers make no attempt to outrival each other in *quality*, where does the tire user get *his* consideration?

The makers of United States Tires urge upon *everybody*—manufacturer and dealer alike—a *new kind* of competition.

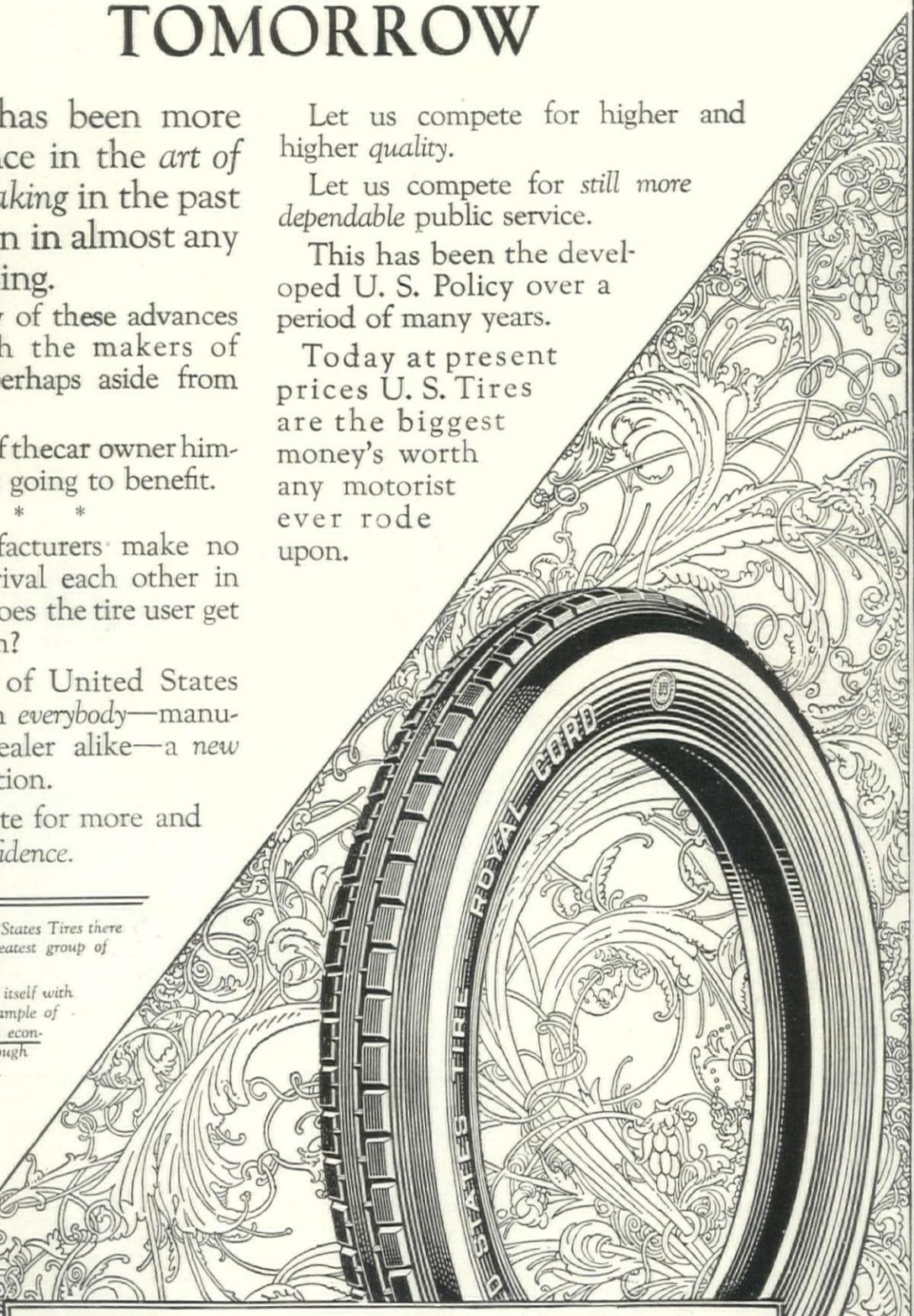
Let us compete for more and more *public confidence*.

Let us compete for higher and higher *quality*.

Let us compete for *still more dependable* public service.

This has been the developed U. S. Policy over a period of many years.

Today at present prices U. S. Tires are the biggest money's worth any motorist ever rode upon.



For the production of United States Tires there is erected and operating the greatest group of tire factories in the world.

A leadership that has recorded itself with the public. The outstanding example of what faithful quality and sound economy can do when it is patient enough to prove itself to a whole nation.

United States Tires are Good Tires

Copyright 1922 U. S. Tire Co.

U. S. Royal Cord Tires

United States Rubber Company

Fifty-three Factories — *The Oldest and Largest Rubber Organization in the World* — *Two-hundred and thirty-five branches*

HODGSON *Portable* HOUSES

"Artistic in design—Perfect in construction"

SOME of the finest tributes to Hodgson Houses are paid by people who have lived in them for years. Long use or occupancy only serves to strengthen first impressions of these splendid portable buildings.

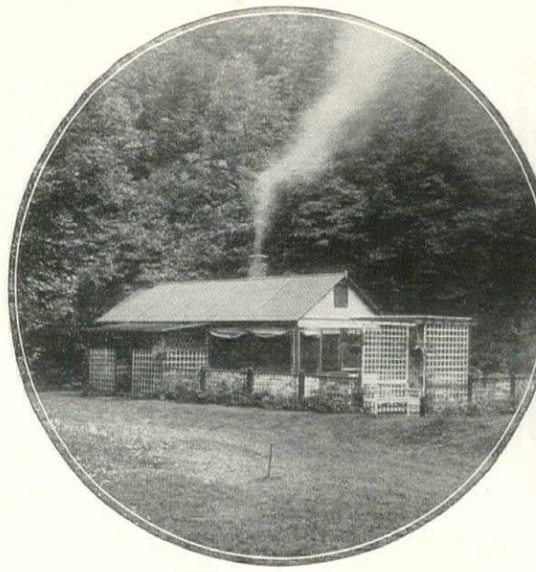
The largest Hodgson Houses, suitable for family dwellings, are erected in two days—without the help of skilled labor. The smaller ones, such as garages, pet houses, playhouses, etc., require but a few hours. And they are all as staunch, weather-tight and durable as you could wish.

Hodgson Houses are just as beautiful in design and appearance as they are practical in construction. You will find them in use on some of the finest estates in the country.

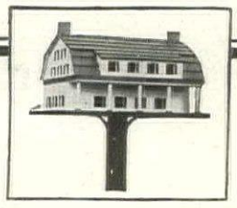
Our illustrated catalog describes the different types of Hodgson Houses and explains their many uses. You will find it interesting, instructive and a real help in solving your problem. May we send you this catalog at our expense?

E. F. HODGSON CO.

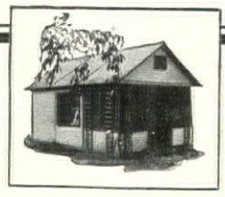
Room 226, 71-73 Federal Street, Boston, Mass. 6 East 39th Street, New York City

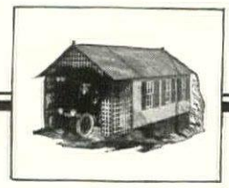


HODGSON HOUSES *are used for seaside and mountain cottages, bungalows, garages, playhouses, poultry and pet houses, offices, schools, gymnasiums and innumerable other purposes.*









Those Who Desire

to combine the elements of beauty and individuality, in a private estate or property enclosure—

That shall secure to them, the greatest degree of utility and protection—

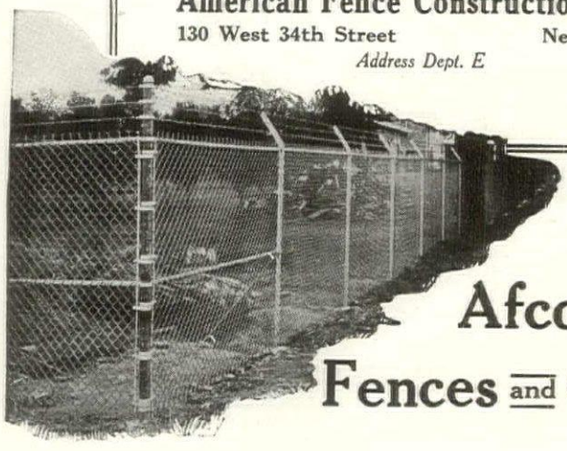
Will find the experience of those identified with the service staff of our company helpful.

Undoubtedly you are thinking fence, and will want a copy of our new book—Wire Fences and Gates, because of the helpfulness afforded by its many interesting examples and suggestions.

American Fence Construction Co.

130 West 34th Street **New York**

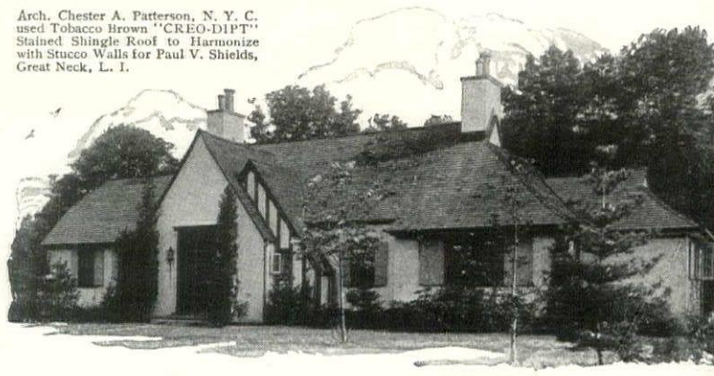
Address Dept. E



Afco

Fences and Gates

Arch. Chester A. Patterson, N. Y. C. used Tobacco Brown "CREO-DIPT" Stained Shingle Roof to Harmonize with Stucco Walls for Paul V. Shields, Great Neck, L. I.



WHERE stone, stucco or brick is used as a side wall material; red, green or brown (solid tones or a mixture of shades for a variegated color effect) "CREO-DIPT" Stained Shingle roof will lend warmth and beauty.

"CREO-DIPT" Stained Shingles for side walls as well as roofs are more and more recognized for their economy. Their value for better architectural treatment of side walls as well as roofs is winning the appreciation of architects and home owners. They save waste shingles, lost shingles, and the muss of staining-on-the-job. Pure earth pigments ground in pure linseed oil are ground into the wood with a preservative creosote oil. The colors do not fade in streaks or wash out. Painting and repair bills are saved.

If you are going to build or remodel, write for Portfolio of Fifty Large Homes by Leading Architects; Sample Colors on Wood. Ask about 24-in. "Dixie White" side walls; also about "CREO-DIPT" Thatch Roofs.

CREO-DIPT COMPANY, Inc.

1012 Oliver Street North Tonawanda, N. Y.

Sales Offices in Principal Cities. Many Lumber Dealers Carry Standard Colors in Stock.

Portfolio of Homes



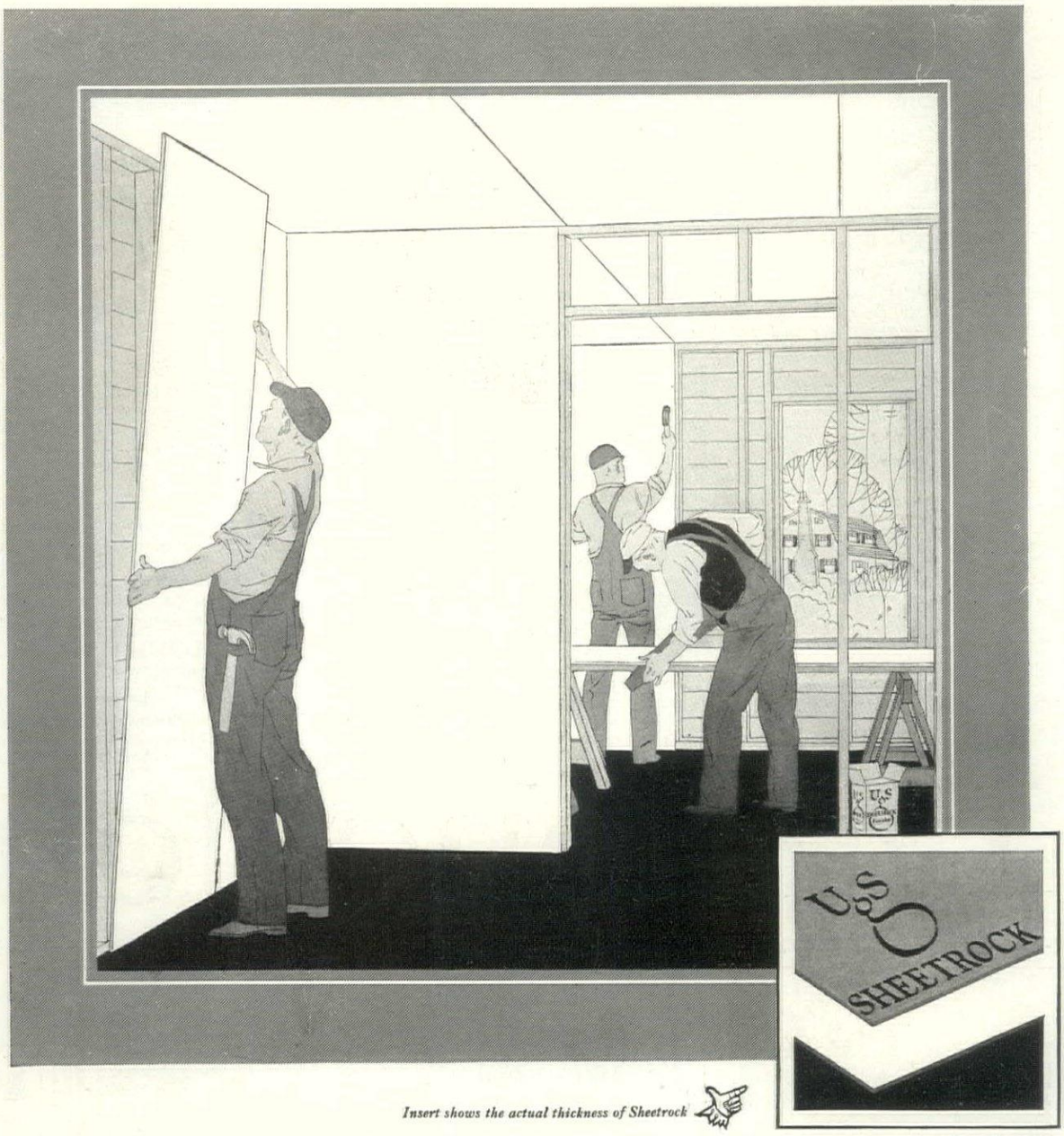
"CREO-DIPT"

Stained Shingles



USG

Sheetrock is wall plaster cast in sections!



Insert shows the actual thickness of Sheetrock

SHEETROCK has the great advantage of being ***a fireproof wallboard.*** It is gypsum plaster, made from rock that is mined and ground and factory cast in broad, ceiling-high sheets. It cannot burn, ignite, or transmit heat. On the walls and ceilings of your building, it furnishes a fire-resisting protection to the studs and joists to which it is nailed. It makes rigid, tight-jointed, standard walls and ceilings that will not ***warp, shrink or buckle,*** and will last as long as the building stands.

There are many economical uses for Sheetrock in new construction, alterations and repairs. It saws and nails readily, and any good carpenter can do good work with it, easily and quickly. It offers a perfectly flat, smooth surface for any decoration you want—wallpaper, paint or panels. As soon as it is up, you can decorate and move right in. Lumber dealers and dealers in builders' supplies sell Sheetrock. Its cost is low. Write for our free illustrated booklet about Sheetrock, "Walls of Worth."

SHEETROCK

The FIREPROOF WALLBOARD

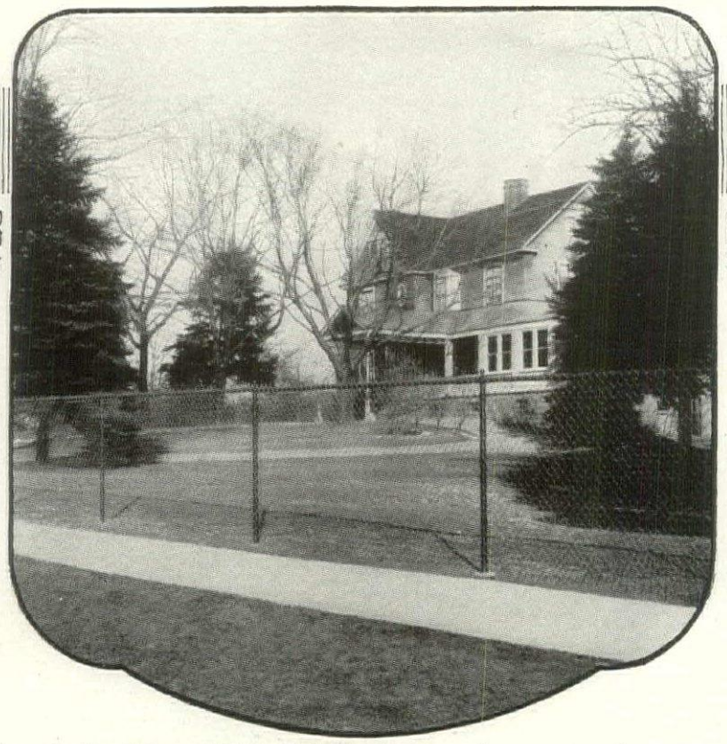
UNITED STATES GYPSUM COMPANY, *General Offices:* 207 W. Monroe Street, Chicago

World's Largest Producers of Gypsum Products

Approved by The Underwriters' Laboratories, Inc.

SALES OFFICES: New York, New York, Buffalo, New York, Boston, Massachusetts, Washington, D. C., Philadelphia, Pennsylvania, Pittsburgh, Pennsylvania, Cleveland, Ohio, Cincinnati, Ohio, Detroit, Michigan, Milwaukee, Wisconsin, Minneapolis, Minnesota, St. Louis, Missouri, Kansas City, Missouri, Omaha, Nebraska, Denver, Colorado, Los Angeles, California

MINES AND MILLS: Oakfield, N. Y., Plasterco, Va., Cleveland, Ohio, Gypsum, Ohio, Genoa, Ohio, Detroit, Michigan, Alabaster, Michigan, Grand Rapids, Michigan, Milwaukee, Wisconsin, Fort Dodge, Iowa, Blue Rapids, Kansas, Southard, Okla., Eldorado, Okla., Piedmont, South Dakota, Loveland, Colorado, Denver, Colorado, Arden, Nevada, Amboy, California



Cyclone Safeguard Chain Link Fence is especially appropriate for estates and suburban homes. It is built in 4, 5 and 6-foot heights. Fabric heavily galvanized wire. Posts, top rail and braces are of heavy tubular steel. Entrance gates to match fence. Prices on request.

The Homes You Admire

HOW often you have exclaimed, "there's a home I just love!" Perhaps you didn't realize it, but in most cases, your remark was prompted by the charming effect Cyclone Fence imparts to premises. You were conscious of a subtle, intangible beauty—a beauty so soothing—so dignified.

Yet, you have sensed only slightly the atmosphere of privacy and restfulness which occupants of the home constantly enjoy.

Even though you are impressed with the attractiveness of homes enclosed with Cyclone Fence, you will never fully appreciate its advantages and beauty until it encloses your home.

Write Dept. Z300 for booklet "About Fence for Your Home."

CYCLONE FENCE COMPANY, *Waukegan, Ill.*

FACTORIES: Waukegan, Ill., Cleveland, Ohio, Fort Worth, Texas

DISTRICT OFFICES:
Eastern Division, New York City
Middle-Western Division, Waukegan, Cleveland, Detroit
Southern Division, Atlanta, Ga.

Cyclone "Red Tag" Fence and Products

Cyclone Fence



Write for Free Plan Folder

Only Once in a Lifetime You Build

Make it a home you'll be proud of in years to come. Build it of Hollow Tile—handsome, fireproof, permanent.

The cost is only 5 per cent more than wood—in most localities.

Hollow Tile is the lowest priced masonry building material on the market. Its dead air space makes it cool in summer and warm in winter, saving coal. Needs no upkeep. You have your choice of many finishes.

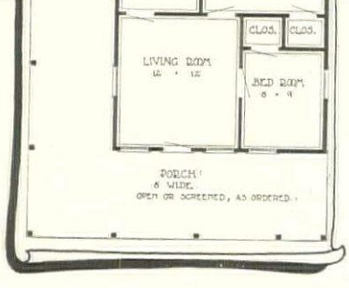
Write for free plan folder of house shown above. We can supply complete plans and specifications of this and many other designs.

HOLLOW BUILDING TILE ASSOCIATION
Dept. 425 Conway Bldg., Chicago, Ill.

HOLLOW TILE

The Most Economical Form of Permanent Construction





COTTAGE NO. 12

Size 20 x 20 with eight-foot porch across front and one side. Overall size 28x28. May be had completely screened including removable screens for porch. Everything is furnished. You have no extras to buy. Shipments at once. Two men will erect it in one week.

TOGAN SUMMER COTTAGES

Built in Sections that Nail and Spike Together

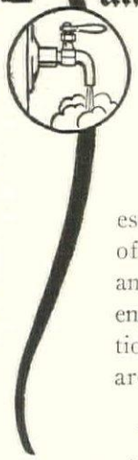
Low priced. Comes in sections ready to nail together. You can erect these cottages yourself. Shipped complete with foundation posts, all hardware, paint, roofing, built-in cupboard included.

Send Today for Booklet of Designs

TOGAN-STILES, 1625 Eastern Ave., Grand Rapids, Michigan

Massachusetts Displays: Home Beautiful Exposition, Boston, and Revere Beach Parkway, both under auspices Pope & Cottle Co., Revere, Mass.

Running Water under pressure



Kewanee Plants ar real private utilitie that have been serv ing large and sma estates for a quarte of a century. They ar an unusual piece o engineering, yet opera tion and maintenanc are extremely simple

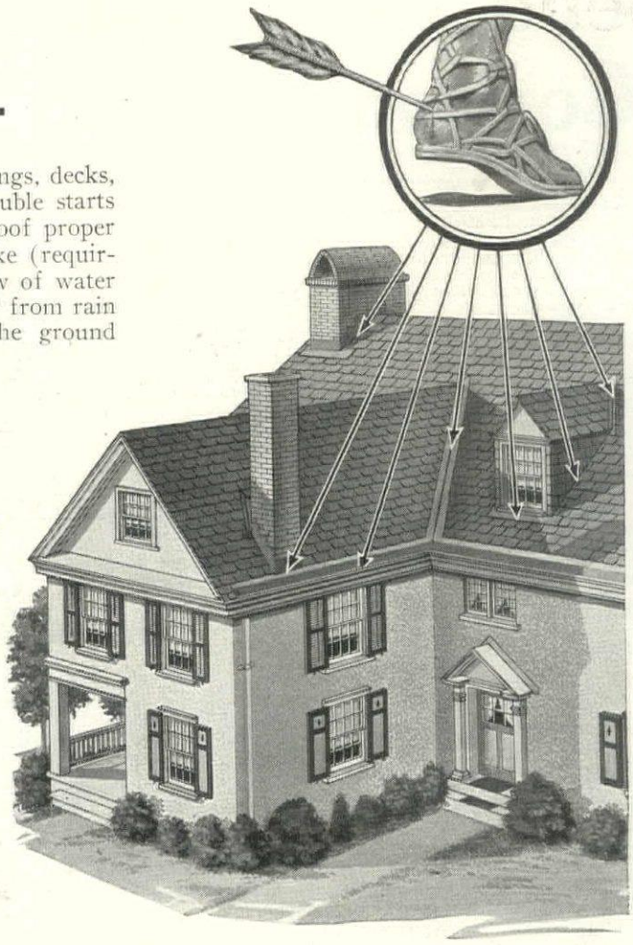
You can have a Ke wanee Water System alon or one combined with complete Electric Ligh Plant. 150 sizes and models t choose from. Write for bulletin on Running Water, Electric Light and Sewage Disposal.

KEWANEE PRIVATE UTILITIES CO
401 So. Franklin St. Kewanee, Ill

KEWANEE

Water Supply
Electric Light, Sewage Disposal

The Achilles Heels of Your Home—



Pay particular attention to the material used for gutters, valleys, flashings, decks, and other vital spots in your roof, for these are the places where trouble starts and expensive leaks occur, because these are the places where your roof proper is cut through to allow for chimneys, your dormer windows and the like (requiring "flashings"), or where two roofs come together increasing the flow of water from rain or melting snow ("valleys"), and finally where all the water from rain and melting snow is carried to the rain conductors leading to the ground ("gutters")—

protect them with

TARGET AND ARROW

Look for this Trade ➙ ◎ Mark on every Sheet

ROOFING TIN

and make these places the most lasting and weathertight parts of your roof—unless your entire roof is of Target and Arrow.

No matter what roofing material you use, you would do well to send for "THE ACHILLES HEELS OF A BUILDING"—a graphic chart showing where gutters, valleys, flashings, and other vital spots occur in the roof of a building, and explaining how Target and Arrow is made by an old Welsh process which gives it the lasting and weatherproof qualities so necessary to these important places.

N. & G. TAYLOR COMPANY
308 Chestnut St., Philadelphia
Headquarters for good roofing tin since 1810



Build NOW!

Now is the time to build that long-deferred home of your own! Building prices have reached new low levels. Longer delays are dangerous. Our modern plan books contain many new ideas and helpful building hints. Will save you dollars.

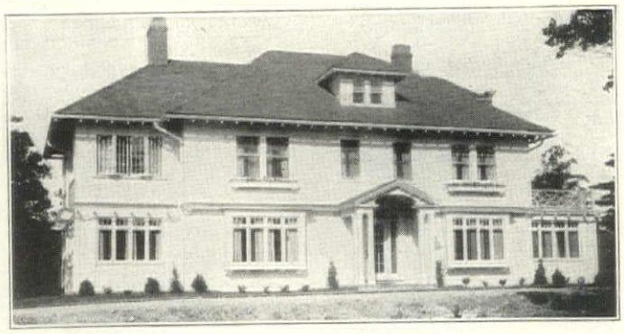
CRAFTSMAN BUNGALOWS, new 1922 Edition. Just off the press! Recognized as the standard plan book on bungalows. 112 pages of new plans, photos, sizes, costs, etc., of scores of attractive homes and bungalows ranging from $800 to $8,500 to build. Adapted to any climate. Most practical book published. New edition sent postpaid for $1.

COLONIAL PLANS, DE LUXE. Unusual, distinctive and worth while. Should be in the hands of every prospective builder. Contains numerous artistic pictures and plans of moderate-priced Colonial bungalows and residences. Only 50c postpaid.

Order both books today. Money back if dissatisfied.

Yoho & Merritt
Craftsman Designers
504 Empire Building
Seattle Washington





Lunken Windows Installed in Residence of Mr. T. Melbye, Wellesley Hills, Mass. Architects: Blackall, Clapp & Whittemore, Boston, Mass.

BEFORE YOU BUILD LEARN OF THE MANY ADVANTAGES OF

Lunken Windows

FOR THE

Residence, Hospital, Apartment Building and Hotel

Insuring Health—Comfort—Convenience and Economy

A double hung window, with any degree of ventilation up to 100% of frame opening. **Zero tight** when closed due to copper weatherstripping. Rewirable, double sliding rust-proof metal frame, copper-bronze cloth fly screens cover the full opening and disappear at a touch into the window pocket.

These Combined Advantages in Lunken Windows are unknown in every other type of window now in use. They save heat, labor and screen damage, can be easily installed in any type of new building. There are no complicated parts, and their construction admits of any desired inside or outside trim or decoration, yet their appearance when installed is the same as a standard double hung window.

Delivered from Factory Complete—glazed, fitted, screened, hung, weatherstripped, tested and guaranteed—ready to set in wall.

Investigate the advantages of **LUNKEN WINDOWS** before planning new buildings. Grant us the privilege of sending detailed information. Write today.

For details and specifications see Sixteenth Edition Sweet's Catalog, pages 780-783 inclusive.



The Lunken Window Co.
4209 Cherry Street Cincinnati, Ohio

No Bathroom is Complete Without a

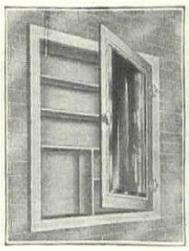
Hess White Steel Medicine Cabinet or Lavatory Mirror

Coated inside and out with the best grade of *SNOW WHITE* baked enamel.

This mark



guarantees it everlastingly against cracking, blistering or flaking.



Your money back if you are not pleased. Five sizes — three styles. If your dealer is not yet supplied, write us direct.

HESS WARMING & VENTILATING CO.
1223 Tacoma Bldg. Chicago
Makers of HESS WELDED STEEL FURNACES.

Send The Coupon

Chamberlin Metal Weather Strip Co., Detroit, Mich.

Tell me the cost of equipping my buildings with Chamberlin Metal Weather Strips (check whether home, factory, office building, church, school).

*doors*_____

*Give number of outside windows*_____

*Name*_____

*Address*_____

*City and State*_____

Eng. Dept. No. 45

End Draughts Keep Warm Save Fuel

Chamberlin Metal Weather Strips are used on 85% of all weather-stripped buildings, including homes, office buildings, schools, churches, banks, stores, hotels, hospitals and apartments.

Their small cost will surprise you. And think of the comfort they give—the fuel saved—the protection against dust, soot and dirt constantly sifting in. They are a necessity of good household economy. They end the constant fight against dust—a tedious labor removed from daily tasks. Redecorating is not a yearly necessity in homes or apartments protected by Chamberlin Metal Weather Strips. Curtains stay clean longer. Furnishings are saved from soilure. More than 10,000,000 doors and windows are Chamberlin equipped. No cold air currents. Children are safe. Draughts don't drive you from the bright, cheerful spots around the windows. Street noises are excluded. Ends rattling, squeaking doors and windows.

Why Heat Your Building 36 Times Every Day?

Tests show the inrush of cold air at unprotected windows and doors fills the average building 36 times daily. Why fight this with fuel? How much more simple to bar it out as thousands of good home managers do, with Chamberlin Metal Weather Strips.

Free Chamberlin Metal Weather Strips are always installed by our own experts. This service is included in our estimate. They are guaranteed to last as long as the building. An estimate by our engineering department is free. Just send the coupon.

CHAMBERLIN METAL WEATHER STRIPS
"SINCE 1893-THE STANDARD"



Summer Sunshine *every day*

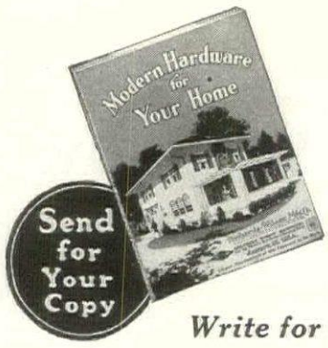
Sunlight and fresh air are but two of the many desirable things which accrue to the owner of the home with sun parlor, sleeping porch or any room equipped with *AiR-Way* Multifold window hardware.

AiR-Way Multifold windows fit snug and afford complete protection against the weather. It takes but an instant to fold them back out of the way, without interference of outside screens or inside drapes.

AIR-WAY

Makes a sun parlor or sleeping porch out of any room

If you would get real enjoyment out of your new home or the remodeled old one, see that your architect or builder provides for *AiR-Way* Multifold window installations.



Most responsible hardware and lumber dealers carry R-W hardware in stock. If yours does not have it, it can be immediately secured from any of our many branches.

Write for Latest Catalog M-4

Richards-Wilcox Mfg. Co.

"A Hanger for any Door that Slides."

AURORA, ILLINOIS, U.S.A.

Minneapolis, Philadelphia, Chicago, Boston, New York, St. Louis, Cleveland, Indianapolis, Los Angeles, San Francisco

RICHARDS-WILCOX CANADIAN CO. Ltd.
Winnipeg, LONDON, ONT., Montreal

Manufacturers of "Slidctite," the last word in garage door hardware

Is Your Cellar WET?

DON'T tolerate it any longer! You can dry up the water that is seeping through the walls and floor of your concrete basement quickly and permanently. Hard-n-tyte, the moisture-proof concrete hardener, closes the pores of concrete and makes it as dry as a bone. Don't alter the color in any way.

Simply wash the walls and floor with the Hard-n-tyte solution, in accordance with instructions which we send you. Anyone who can use a broom or a mop can do the job.

Hard-n-tyte is sold in 10 lb. packages only. 10 pounds is sufficient to treat about 400 square feet and its cost is $7.50. Send us your check for the amount required. If Hard-n-tyte doesn't dry up your basement, *your money will be refunded!*

HARD-N-TYTE for CONCRETE and MORTARS

General Chemical Company
40 Rector Street
New York City



Halftone of model No. 102

Before Building See Your Home In Miniature

THE book, "Small Homes of Character," contains fifty examples of four, five, six and seven room homes. One of them is sure to meet your requirements or afford you valuable suggestions. It is yours for one dollar.

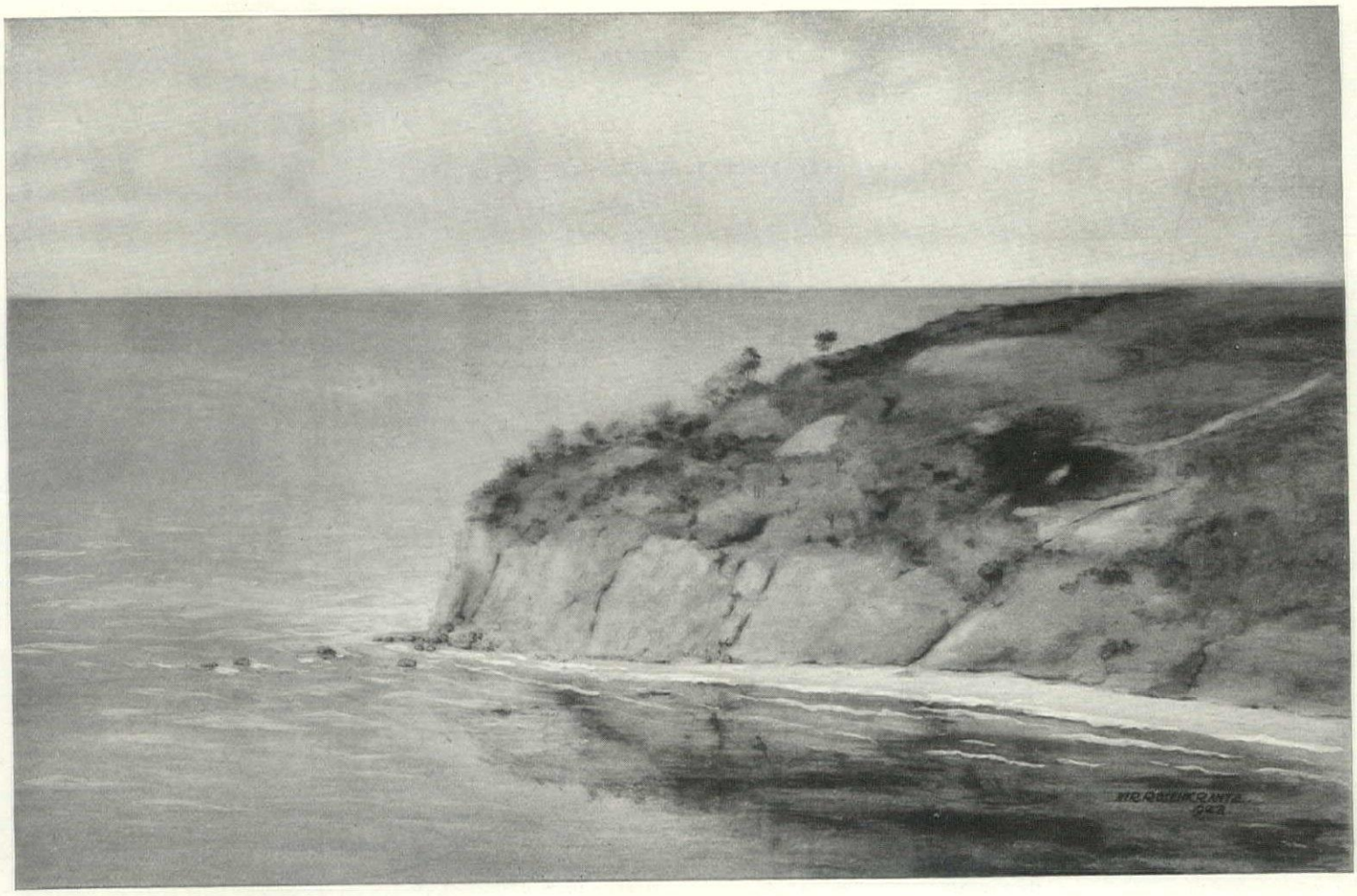
DEFINITELY visualize your home after selecting the plan you like best by sending for a card-board model. The models are on a scale of ⅛ inch to equal one foot. Done in colors to illustrate to you attractive color combinations.

Send for book now and select the model you want.

Architectural House Planning Service Company
20 S. 18th ST. PHILADELPHIA, PA.

Barker's Point

Port Washington, Long Island



A MOST beautiful hilltop jutting into Long Island Sound, at the entrance to Manhasset Bay.

The property comprises 100 acres of natural land, adjoining fine estates, commanding marvelous water views and exceptional inland vistas.

Secluded as Montauk Point, yet only 18 miles by water to Manhattan, 35 minutes by electric service to Pennsylvania Station, and direct motor roads over the Queensborough Bridge.

An opportunity of a life time to secure one of the most attractive building properties ever offered at private sale.

The price is exceptionally low. A generous amount may remain on bond and mortgage.

Make inquiry today for further particulars of this remarkable estate.

Baker Crowell, Inc.
47 West 34th Street
New York City

Agents for the Estate of Susan Cornwall



New Canaan, Conn.

At **"Woodlands,"** new 6-room Colonial cottage. Elevation; view; select, accessible neighborhood. Oak floors, copper leaders, etc. Over half acre. $2,000 cash, balance $7,500 on easy terms.

At **"Crestfield,"** in exclusive neighborhood, several fine building sites, 5 to 30 acres. High elevation, overlooking Sound. Near station and country club. 12 minutes to Stamford. Attractive prices, easy terms.

Other houses and property at equally low prices.

C. E. HUBBELL, Inc.

Tel. 6792 Penn. 320 5th Ave., N. Y. C.

Mrs. Edmund W. Bodine

Shore Front Specialist

470 Main St., New Rochelle, N. Y.

Telephone 848 New Rochelle

SHORT HILLS

In the New Jersey hills where the delights of the country are combined with the conveniences of the city.

Homes and Building Plots

FREDERICK P. CRAIG

Real Estate Broker Short Hills, N. J.



EXCEPTIONAL opportunity to purchase or lease special and preferred shore fronts and country estates.

Exclusive Listings

RAYMOND B. THOMPSON

Smith Building Greenwich, Conn.

Tel. 866 Greenwich

Gentleman's Country Estate or Practical Stock Farm

Four miles from the City of Rutland, on State road. In one of the most beautiful towns in New England. About 127 acres, extending on both sides of the highway. Master's house, 14 rooms and bath, hot water heat, hardwood floors, electric lights, open fireplace; never-failing water supply; shaded piazza; telephone; sanitary barns and outbuildings; garage with 5-room apartment above, with hot water heat and electric lights; superintendent's house. All buildings in first class condition. With or without a herd of pure-bred Jersey cattle, horses, wagons and farm implements. Fred A. Field & Son, Rutland, Vermont.

PRINCETON

Express train service from New York and Philadelphia

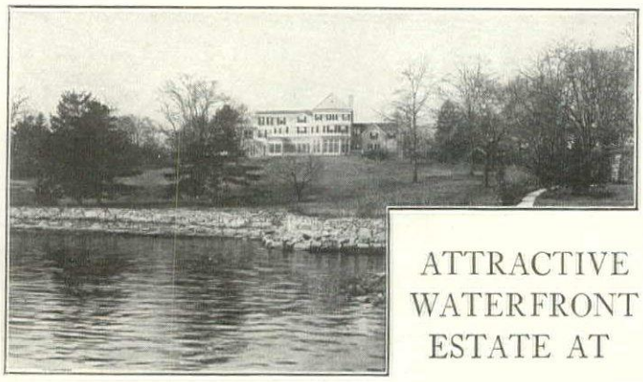
Attractive Homes at reasonable prices

Country Estates and Farms

WALTER B. HOWE, Inc.

PRINCETON, N. J.

Telephone 95



ATTRACTIVE WATERFRONT ESTATE AT

R Y E

Commanding a Superb View of the Open Sound to Long Island

6 acres of artistically landscaped lawns, sloping to water's edge where there is a yacht anchorage and boat house. Garden and large shade trees. Residence in perfect condition with every modern convenience, gas, electricity, etc. Exceptionally large living room and sun porch, 8 master rooms, 5 baths, sleeping porches, 7 servant's rooms, 2 baths, extra lavatories, open fireplaces, etc. 6 car garage with 2 living apartments of 3 rooms and bath each, also extra single room. This property is one of the most desirable moderate sized places in this exclusive section, which is 45 minutes by train from New York City. 1¼ miles from station. Apply S-767.

Fish & Marvin

527 Fifth Ave., New York *Telephone Murray Hill 6526* OR 167 Post Road, Rye *Telephone Rye 159*





Mt. Pleasant Farm

Colora, Cecil County, Md.

Nine miles from Chesapeake Bay, five miles from Tome School for Boys, near West Nottingham Presbyterian Church and Academy, three miles from Rising Sun.

Consists of 370 acres, 220 under cultivation, the remainder in pasture and woodlands. The brick mansion contains seventeen rooms, eight open fireplaces. Two baths, running water and steam heat throughout, large Colonial porch.

Other buildings include brick slate-roofed garage for three cars with four living rooms above, two tenant houses, large slate-roofed three-story barn with separate machine house, hog house, stone spring house, ice house, and pond.

For full details address

PHILADELPHIA TRUST CO.

415 Chestnut Street, Philadelphia, Pa.

$5,000 to $500,000

If you want a country or seashore estate, gentleman's farm or tract of land anywhere in Massachusetts, New Hampshire, Vermont, on the coast of Maine or a residence on Beacon Hill, in the Back Bay or in any of Boston's beautiful suburbs,

We Can Serve You Efficiently

WM. C. CODMAN & SON

Established 1872

15 State Street Boston

Unusual Opportunities in

LENOX

Country Homes and Estates

Write me for booklet of properties for sale

GEO. H. COOPER

Pittsfield, Mass.

100 Agricultural Bank Building

FOR SALE - - AT BED ROCK PRICE TO SETTLE ESTATE

At picturesque Marlboro, N. H., 120 acres at base of mountain, famous for wonderful sunrises and sunsets. Nothing to obstruct view for miles. 15 acres under cultivation—large orchard with 600 young, bearing apple trees (Mackintosh Reds and Baldwins), balance covered with stately pines, etc. Buildings consist of large, remodelled barn, sheathed with hard wood. Never been used for anything but to live in. Has big, inviting living room, with rustic mantle and fireplace, kitchen, and screened, glassed-in sleeping porch, 12 by 35 ft. Running water fed by pump from deep, cool, inexhaustible well. Also pump house, ice house (stocked), etc. Two fine trout brooks and excellent shooting in season, on property. Great place for sport—rest—and recreation. Orchard should yield good income on investment. Capable help easy and economical to obtain. Easily accessible by motor—only 2¼ hours' ride from Boston. Price for immediate sale, $7,000—less than buildings alone could be replaced for! App'e trees recently appraised by experienced orchardist at $10.00 each. Arrangements can be made to show property by appointment.

H. A. DUNNING,

39 Temple Place, Boston, Mass.

FOR SALE, Famous Holliston Lodge,

Moores Mills, Dutchess County, 75 miles from New York, 12 from Poughkeepsie, 6 from Millbrook; finest view in county, 4 rooms, living room 25x25; built of stone; handsome fire-place; 15 acres; ideal place for writer, artist, professional man, hunting or sportsman's place; write for particulars, pictures. S. D. Hollis, 26 West 46th St., N. Y.

For Rent Furnished, or Sale Unfurnished The Gentleman's Home and Beautiful Estate "Hillside" at Glencoe, Baltimore County, Md.

About 20 miles north of Baltimore, on N. C. Railroad. Large frame house, wide verandas, exquisite views. First floor, large halls, billiard room, drawing room, kitchen, butler's pantry and laundry. Second floor, five family bedrooms, bathroom and porch. (Also two servants' bedrooms over kitchen.)

Third floor, three bedrooms and bath. Barn, garage and tenant's house.

Several acres of lawn, with garden, magnificent trees, woodland and shrubs. Estate about 40 acres. Good roads to Baltimore, and its country club; a few miles from the "Manor" Hunt Club, near "Oldfields" School for Girls. Electricity obtainable.

Address (during May) Lewis Stockton, Glencoe, Md.

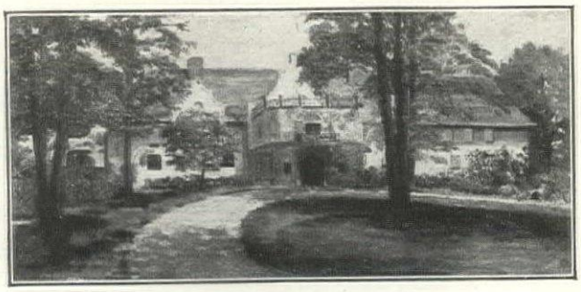
Thereafter, 40 Ashland Ave., Buffalo, N.Y.

CONSULT HOUSE & GARDEN'S REAL ESTATE MART BEFORE SELECTING YOUR NEW HOME

WARREN MURDOCK

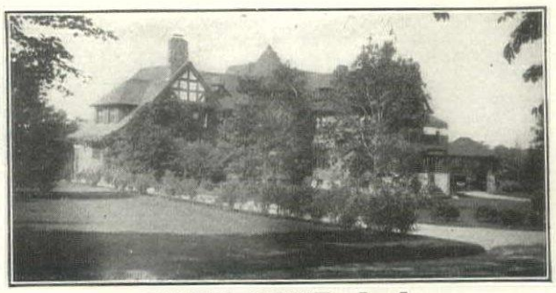
North Shore, Long Island Country Estates

Telephone Vanderbilt 9486 **522 Fifth Avenue, New York**



Modern residence, water front privileges, 10 acres beautifully developed, fine shade trees, water view. 1st floor—Entrance vestibule with ladies' and gentlemen's dressing rooms, 2 washrooms and toilet, hall, living room, billiard room, dining room, pantry, kitchen, servants' dining room. 2nd floor—Four master's bedrooms, four baths. Servants' wing—Five bedrooms, one bath. 3rd floor—Three bedrooms, one bath. All modern conveniences, beautifully decorated and furnished. Garage for four cars, stable with living quarters. Playhouse, tennis court, gardener's cottage.

$235,000 furnished ***$225,000 unfurnished***



GLEN COVE, L. I.

Near Nassau Country Club and Water

22 acres, beautifully developed. 1st floor—Entrance hall, large living room, wash room and toilet, music room, parlor, dining room, breakfast room, pantry, kitchen, laundry, servants' dining room. 2nd floor, 8 master bedrooms, 2 dressing rooms, sleeping porch, 5 baths. 3rd floor, 5 bedrooms, 1 bath. Hot water heat. Gardener's cottage, stable, garage for 6 cars, quarters for chauffeur. Greenhouse, gardens, etc.

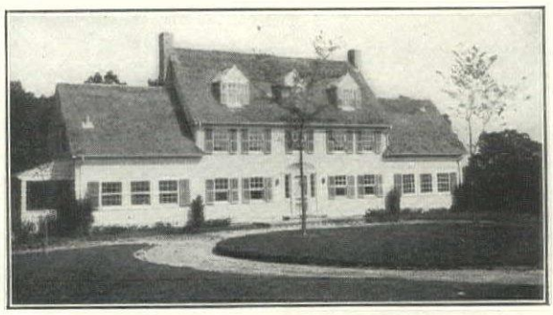
Price Very Low

Choice Water Front Estate—Sound Frontage

ON the North Shore of Long Island, one hour from New York, 29 miles by road, near Nassau, Piping Rock and Sewanhaka Yacht Clubs. 3½ acres with excellent bathing beach and deep anchorage, fine lawns, trees and shrubs.

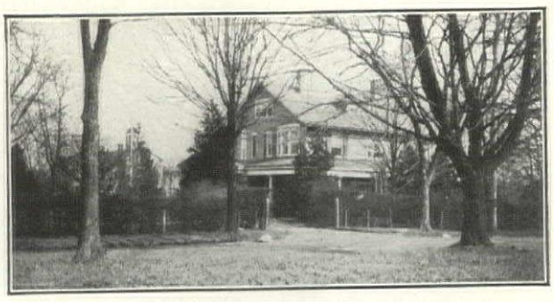
The dwelling is a spacious mansion of fireproof construction (floors and roofs included) of distinguished Italian architecture built by day labor of the finest materials throughout. It contains on the first floor, entrance hall, wash room and toilet, main hall, sun parlor, reception room, and a living room 36′ x 25′ with 20′ ceiling and chestnut panelling, dining room, pantry, kitchen, maids' dining room, laundry, etc. On second floor, four master bedrooms and three baths, four servants' rooms and two baths. Third floor, one master bedroom and lavatory. The third floor is so constructed that several bedrooms and baths may be added without changing the exterior and at nominal cost. All floors except those tiled are of selected oak. All windows French plate glass, weather stripped and provided with copper screens and double sash. The house is especially built for all year occupancy and is heated by hot water. There is a steam-heated garage of similar architecture as main house with room for three cars and accommodations for man or couple with bath. The place has its own artesian water supply with electric pump and underground tank. A first class tennis court, small kitchen garden, ice house, etc. Owner going abroad and will sell at great sacrifice or rent furnished or unfurnished.

Price, $125,000 ***Rent, $6,000***



New colonial house, twenty acres. One hour and five minutes out. Extended water and inland views, near bathing beach and concrete highway. 1st floor—Entrance hall, living room with open fireplace, sun parlor, dining room, pantry, kitchen, laundry in basement. 2nd floor—Three bedrooms, sewing room, dressing room, two baths. 3rd floor—Two bedrooms, one bath. Three-car garage with two rooms, one bath; gardener's cottage; apple orchards; woodland. Owner has left New York and is anxious to sell.

Sale $40,000 ***Rental, $2,000 (furnished)***



Near Engineer and North Shore Country Clubs

Colonial frame house. 3 acres. Beautiful shrubbery. 1st floor—Entrance hall, living room, study, dining room, pantry, kitchen. 2nd floor—5 bedrooms, 2 baths. 3rd floor—3 bedrooms, 1 bath. Garage for 3 cars, 3 stalls, 2 bedrooms, 1 bath.

Near Bathing ***Price, $38,500***

LOCUST VALLEY, L. I.

Near Piping Rock Club

FRAME residence recently redecorated and painted. 5 acres, near station, beautifully planted with shrubbery, trees, etc. Residence frame, walls and floor and exterior of house recently painted and decorated. 1st floor—Entrance hall, living room, dining room, pantry, kitchen, laundry, servants' bath. 2nd floor—4 bedrooms, 2 baths. 3rd floor—2 bedrooms. Attic. Steam heat. Garage—stucco, for 2 cars, work bench, steam heat. Stable with stalls for 4 horses, room for 4 carriages, contains electrically driven pump and artesian well. Fruit trees and paddock for horses.

Price, $45,000 ***With 15 acres, $60,000***



GLEN COVE, L. I.

Colonial stucco and hollow tile house, slate roof, 1 acre, near station and Country Club. 1st floor—Entrance hall, living room, sun parlor, library, dining room, butler's pantry, kitchen. 2nd floor—4 master bedrooms, 2 servant bedrooms, 3 baths. 3rd floor—2 bedrooms, 1 bath. Hot water heat. Garage for 2 cars. Tennis court, garden.

Price, $45,000



SYOSSET, L. I.

Centre of Hunting Section

Modern colonial farmhouse and 7 acres with complete up-to-date outbuildings. 2nd floor—4 master bedrooms, 3 servant bedrooms, 3 baths. 3rd floor—3 bedrooms, 1 bath. Steam heat. Stable for 6 horses, tack room, carriage floor, 3 rooms and bath. Overhead trolley to manure pit. Garage for 3 cars. Dairy, laundry, chicken houses, kennels, etc.

Price, beautifully furnished, $80,000, Rent $5,000

BERRY BUSH

at Spring Lake, Michigan

connects by navigable stream with Lake Michigan. It is readily accessible by rail via Grand Rapids. $80,000 has been spent on the house and grounds during the past ten years. The house consists of two large rooms, large porch, dining room, butler's pantry, kitchen, maid's dining room, lavatory and coat room with guest room and bath on the main floor. The second floor has four bedrooms, two baths, three sleeping porches, three maid's rooms and baths. Electric light and steam heat.

In addition there is a guest house, help's cottage, 2-car garage, barn with six stalls, ice house, engine room, laundry, cow shed and loft. Caretaker's house with three rooms and kitchen. Wood and wagon shed and boat house.

House completely furnished; motor and row boats; four riding horses; one work horse; three cows and all necessary farm implements; also carriages, harness and saddles.

Sale necessitated for business reasons taking owner from the country. Price $40,000.

BAIRD & WARNER
Founded 1855
Exclusive Agents
29 South La Salle Street
Chicago, Ill. Central 8300

BRIARCLIFF **Beautiful Home Commanding Extensive River View**

Situated on 9 acres of attractive grounds adjoining Country Club. Brick residence, 14 rooms, 5 baths, 2 sleeping porches. 3-car garage. Chauffeur's and gardener's cottages. Apply O-302.

Fish & Marvin 527 Fifth Ave. New York



To Close an Estate

Colonial homestead and lot of about three acres, in Plymouth, New Hampshire, "The Gateway to the White Mountains." Brick house, sixteen rooms, eight fireplaces, modern conveniences. Large barn and carriage-houses. Orchard and vegetable garden, trees and shrubbery.

WILLIAM W. RUSSELL
Box 108, Montpelier, Vermont

GREENWICH

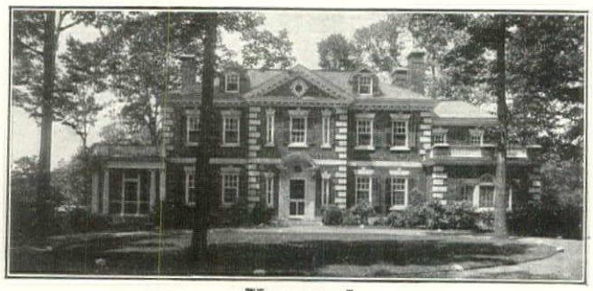
TEN Acres on the Water. For sale *Fine Frame House,* 9 bedrooms, 5 tile bathrooms. Spacious first floor, steam heat, conservatory, greenhouse, garage with living apartment. Boat house, Beach. Beautiful lawns. Trees and garden—(No. 589).

Price, $85,000

E. P. HATCH, INC.
GREENWICH, CONN.
Pickwick Inn Building
Telephones { 1022 / 1023

SUMMIT, NEW JERSEY

AND THE HILL COUNTRY NEARBY
Exceptional Homes—Farms and Country Estates



Kenwood

This exact reproduction of the OLD POND MANSION in the South of England is one of Summit's most talked of modern small estates. Done in Tapestry Brick and White Limestone it graces a magnificent plot of over three acres. Thousands of dollars worth of exquisite shrubs and trees have been planted by one of England's Garden Experts. Country Club adjacent. Available at much below reproduction cost.



This Stately Brick Colonial

Home, embracing improvements of the most approved type, situated in the midst of a beautiful twelve acre private park, is justly referred to as the show place of Summit, N. J. While there is every evidence of conservative grandeur, there is also that unmistakable air of HOMINESS so seldom found in property of such apparent pretentiousness. Available for sale on very reasonable terms at half its value.

EUGENE JOBS - H. F. BECK CO.
Real Estate Brokers *Opposite Lackawanna Station* SUMMIT, N. J.

Cooke — *GREENWICH and Thereabouts*

Country Estates on the Shore and Inland
Acreage and Farms
Furnished Houses for the Season—1922

Branch
Pickwick Corner

Thos. N. Cooke *Tel. 430-1330 Smith Building*
GREENWICH CONN.

GREENWICH

For the summer	*For Sale*
No. 1270—Farmhouse in riding country; 9 rooms, 3 baths; beautiful land; garage. Season rental $1600.	No. A-2288—New Colonial house; ½ acre; 9 rooms, 3 baths; near trolley; garage for two cars. Price $20,000.
No. Z-119—Charming modern house near town and trolley; 12 rooms and 3 baths; garage. Season rental $2400.	No. A-2145—Attractive new house in exclusive district; private beach rights; 12 rooms, 3 baths; garage for 3 cars. Price $42,500.
No. 1721—Stucco house in fine vicinity; 13 rooms; 4 baths; garage; 1½ acres. Season rental $3000.	No. A-1969 — Charming modern house near bathing beach; 11 rooms, 3 baths; fine grounds; garage. Price $30,000.
No. 317—Colonial farmhouse; 3 acres; 14 rooms; 4 baths; garage; fine porches. Season rental $3000.	No. 1915—Modern stucco house on brook; 12 rooms, 3 baths; 2 acres; garage. Price $50,000.
No. 137—Handsome modern Colonial house in perfect surroundings; 16 rooms, 4 baths; view; garage, etc. Season rental $6000.	No. 1980—Handsome frame house with charming grounds, traversed by brook; 16 rooms, 6 baths; garage with rooms. Price $120,000.

OFFICE OPEN SUNDAYS

LADD & NICHOLS, INC.
Greenwich, Conn. Telephone 1717



A ***PICTURESQUE Quality expressing your Individuality is combined with Homekeeping Comforts by our complete architectural and building Service in***

HOMES
Built to your order by
C. E. HUBBELL, INC.
320 Fifth Avenue, New York City
TEL. PENN. 6792
Designs ready for your inspection
Houses to cost $10,000 and up—some for less

Let Us Help You Select a Home

That eternal question:—Where shall I live? What sort of a house shall I decide to buy? Who has the house I WANT?

We are in constant touch with Real Estate brokers who specialize in selected sections throughout the country—men who can find you the kind of property you want if it is obtainable *or who can sell your property if you wish to dispose of it.*

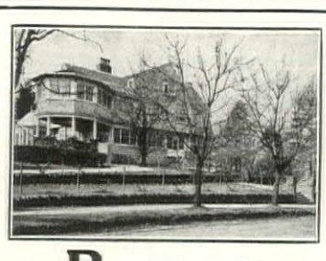
REAL ESTATE MART
HOUSE & GARDEN
19 W. 44th St., New York

Camp Canadohta

Lake Placid, N. Y.

FOR RENT, modern furnished camp on Buck Island, thirteen rooms, four baths, electric lights, telephone, motor boat. Attractive view lake and White Face Mountain. Plan of buildings furnished. Address owner,

W. S. BENSON
11 Broadway **New York**



Rye

EXCELLENT OPPORTUNITY TO PURCHASE AN IDEAL HOME

Located on 2 acres, artistically landscaped, lofty shade trees and flower garden. Splendidly constructed shingle residence, 11 rooms, 3 baths, sun parlor, enclosed porch, all improvements. Garage with quarters. Greenhouses. Apply S-343.

Fish & Marvin
527 Fifth Ave., New York
Telephone, Murray Hill 6526

300 FT. OWN SANDY BATHING BEACH.

North shore, Long Island about 1½ acres, directly on the water, grounds well shaded, large trees, fruit, flowers, &c., laid out in blue stone drive and pathways; house 12 rooms, two baths, large porch, with beautiful view down bay; parquet and hardwood floors throughout, electricity, steam heat, natural spring water; garage room for 3 cars; just completed renovating and decorating entire house; ready to move in; a very desirable place and location; easy commuting; price $24,000. Address J. W. Rembe, 254 4th Ave., N. Y. City.

FOR SALE or LEASE

"Rock Ledge" On Hudson, Stucco, 8 Rooms, 2 Baths, 2 Fire-places, Large Living Room, Built-in Book-cases, 30 ft. Porch, Casement Windows, Garage. All Conveniences. About half acre. Must be Seen to Realize Beauty of Location. Easy Commuting. Terms $5,000 cash, balance mortgage. Box 10, House & Garden.

MAINE

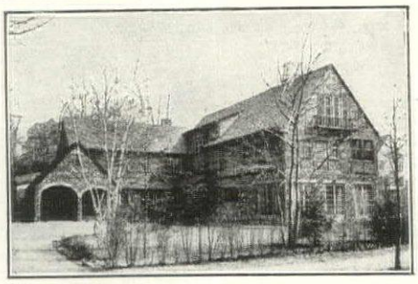
Exceptional opportunity to purchase very attractive summer home commanding extensive view and having ten acres of land with long shore frontage. Bungalow is of brick construction, has all modern appointments and is artistically arranged. Never before offered.
Maine Realty Bureau, Portland, Maine

FOR RENT:

Few large houses, and several medium sized furnished cottages at New London and Eastern Point.
W. S. CHAPPELL
79 Green St., New London, Conn.

FOR SALE

An unusual house in best residential section of town within commuting distance of New York on D., L. & W. Recently decorated throughout by high grade New York firm. Has 4 master's bedrooms, 2 baths, 2 maid's rooms and bath, 2 extra toilets, living room or parlor, library, dining room, butler's pantry, kitchen with both coal and gas ranges, glass enclosed breakfast porch, sleeping porch, 6 open fireplaces, hot water heat, concrete cellar with laundry and fruit closet, large light attic, numerous closets electrically lighted, storm windows, screens, shades and awnings. Grounds cover one acre with garage for 2 cars, flower and vegetable gardens, fruit trees, grapes and small fruits. The arrangement of rooms on 1st floor will appeal to persons of refinement who wish to entertain. Price $38,000, cash required two-thirds of this amount. Address Box 3, House & Garden.



Rye

Opposite
APAWAMIS CLUB
Near
GREEN MEADOW
and
WESTCHESTER BILTMORE COUNTRY CLUBS
5 minutes walk to station

Substantial brick and timber residence of English design, 14 rooms, 4 baths, sun, breakfast and sleeping porches, dressing rooms, open fireplaces. Built for owner's home by day's work; has every modern improvement and is beautifully decorated. Garage for 2 cars. Apply S-495.

Fish & Marvin 527 Fifth Avenue, New York
Telephone, Murray Hill 6526

DO you want an old Long Island farm house of about twelve rooms, suitable for remodeling? No improvements except running water in kitchen. About five acres of land. Barns, out buildings, etc., situated on the Jericho Turn Pike near Westbury. For particulars, etc., address

CLARK, CHRIST & McKELLAR, Inc.
1 W. 34th St., N. Y. "Fitzroy 162"
MINEOLA, L. I. "Garden City 1259"

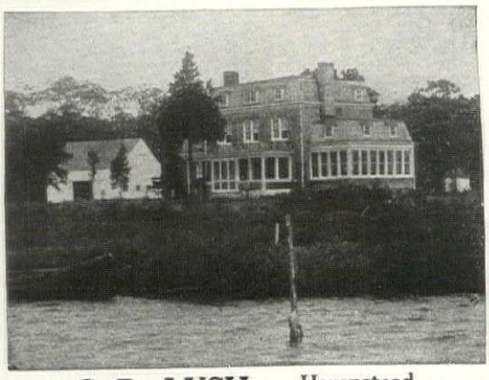
You've always wanted a Home in the Country—

consult these

advertisers or

The REAL ESTATE MART OF HOUSE & GARDEN

For Sale or Rental—Shore Front Residence



Directly on the waterfront, overlooking Great South Bay, at Brookhaven, Long Island. Near depot, motoring highways, golf clubs.

Sixteen rooms and two baths, large sun parlor. Nine bedrooms, three open fireplaces. House moderately equipped. All in good order.

Boating, fishing, bathing. Prevailing winds from ocean. Garage, fruit trees, berries, asparagus, and a large grove of oak trees. Entire plot containing twenty-six acres.

C. R. LUSH (*Owner*) Hempstead Long Island **Price $30,000**

A HOME YOU WOULD LIKE

All year residence with all improvements, situated in select Cliffside Park, N. J., 35 minutes from Times Square. High elevation overlooking the Hudson and Riverside Drive. Built by owner who has given a great deal of attention to details and selection of locality for his family. House two and a half stories.
1st floor—foyer, parlor, dining-room, kitchen and pantry.
2nd floor—4 bedrooms and bath.
3rd floor—large studio containing 16 windows, glass enclosed porches, East and South sides.
Plot 50 x 125. Same size plots in reserve on both sides. New hot water heating plant. Large chicken house rear of property. School all grades block away. High school three blocks.
Price $12,000. Liberal cash allowance.
F. K. MAXIMILIAN, 267 West 11th St., N. Y. City

For Country estates, shore property, cottages, acreage property in and around Greenwich, Connecticut, consult me.
Write, call or telephone 456 Greenwich
LAURENCE TIMMONS
Opposite R. R. Station Greenwich, Conn.

FARMS AND ESTATES

of the better class. Monmouth county. Jersey coast. A. D. Fourett farm Specialist. Professional Bldg., Asbury Park, N. J.

FIRE ISLAND ON GREAT SOUTH BAY

Story and a half bungalow facing ocean. 2½ acres—100 feet ocean frontage. Ideal location for those liking quiet. Good fishing and duck hunting. FOR SALE: opposite Sayville.
F. E. MARQUET
3415 Woolworth Building, N. Y. City.

Mrs. Samuel Stone

Real Estate Sales Specialist
103 Hillcrest Ave., Park Hill, Yonkers, N. Y.
TELEPHONE 5507

Bernardsville--Morristown

COUNTRY ESTATES and FARMS
Jones & Martin
Tel. Rector 7299 141 Broadway, N. Y.

CAPE COD

Attractive Summer Homes
For Rent and Sale
Hyannis, Hyannis Port, Craigville, Englewood, So. Yarmouth, West Harwich, and Chatham.
W. C. ELDRIDGE
Hyannis, Mass. "Booklet"

Away With The Cesspool!

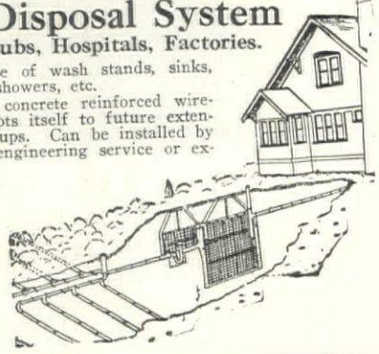
Secure all the sanitary comforts of a city building by installing an

Aten Sewage Disposal System

For Homes, Schools, Clubs, Hospitals, Factories.

Allows free and continuous use of wash stands, sinks, toilets, bath tubs, laundry tubs, showers, etc.
The septic tanks are made of concrete reinforced wire-forms, not wooden-forms. Adapts itself to future extensions to single buildings or groups. Can be installed by unskilled labor without expert engineering service or experienced supervision in the field. Has nothing to get out of order.

Our booklet No. 7 tells how and why. Sent free upon request.



ATEN SEWAGE DISPOSAL CO.
86 Fifth Avenue, N. Y.



A SMART Utility Car, seating 3, 6 or 9 passengers as occasion requires. Ample space for luggage, etc. Equally suitable for Owner or Employee use. Every owner of a Country Home should get full information from the nearest Dodge Dealer.

H. H. BABCOCK CO.
Vehicle Builders since 1845. WATERTOWN, N. Y.

THE DOG MART



Buy a Shepherd For Protection and Companionship

The Shepherd is America's most popular dog—friendly, intelligent and obedient—an ideal companion and dependable watch dog for children as well as grown-ups.

We suggest that you buy a puppy. You'll enjoy seeing him grow—enjoy the playful companionship and will all the more appreciate his genuine loyalty and faithfulness.

If interested in breeding, we will gladly mail you pedigrees and descriptions of our famous sires offered at stud.

Write for our sales list of grown Shepherds and puppies. Pedigree furnished with every sale.

GREEN BAY KENNELS
Laurance H. Armour, Owner
Green Bay Road, Lake Forest, Ill.

GERRI VON OBERKLAMM, P. H.

Austrian Champion 1921



EUROPEAN JUDGES' OPINIONS—

"Strength Structure and Gait cannot be surpassed."—*Dr. Roesebeck.*
"Outstanding in all parts; fully balanced in everything."—*Otto.*
"In a class by himself."—*Friederich.*
"A dog supreme in all parts."—*Agne.*

This great dog who has defeated the best that Germany has to offer, including the 1919, 1920 and 1921 Grand Champions, is now available at stud, at $150.

Bitches of high quality only need apply.

Reservations for puppies by Gerri and our other imported stud dogs may now be booked.

HOHELUFT KENNELS
800 Richmond Turnpike,
Staten Island, N. Y.

REXDEN-BELCARZA KENNELS
17 East 42nd Street,
New York, N. Y.



AIREDALES

Champion Stock
Pedigreed Puppies and Grown Dogs
We Ship on Approval
BRAYVENT KENNELS
232 Clark St.
Westfield, N. J.
Thomas K. Bray
Phone 424M Westfield

For Sale

WIRE HAIRED FOX TERRIERS

Puppies by Ch. Boatsman. Selected 4 mo. old Males, $50.00.
Imported bitches bred and open. Best blood lines obtainable. Price $75.00 up.
At Stud—Great winner Billy Bumps $25.
Yorick Kennels, 228 Pierpont St., Rochester New York



Bargains Blue Ribbon White Collies

Write for special lists of famous Shomont White Collies We are the world's largest breeders. Our White Collies bring beauty, watchfulness and devotion into your home Write quick for our offer.
SHOMONT KENNELS
Box 100 Monticello Iowa

THE WORLD'S BEST

BORZOIS

(Russian Wolfhounds)

The dog of kings and emperors.
The aristocrat of the canine family.
The most beautiful of all breeds.

Puppies for sale. Very reasonable. Exceptionally beautiful. Come from some of the greatest Champions in the country. No better blood to be had for any price. Write or call

DR. S. De SAYDA, College President
Ridgefield Park, N. J.

DRIVE WORMS

from your dog with



Q-W Worm Expeller
$1.00 per bottle postpaid. Takes a minute to give, expels worms in an hour! Fine for pups and grown dogs all breeds. Endorsed by leading dog men. 25 other famous
Q-W Dog Remedies

FREE DOG BOOK
on How to Feed and Train Dogs. 150 illustrations of leads, training collars, brushes, etc. Send for it.

Q-W LABORATORIES
Dept. 3. Bound Brook, New Jersey



Teaneck Police Dog Kennels

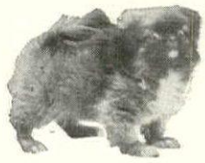
Imported and American bred Shepherd Dogs
Puppies from prize winning stock for sale, $40 & up
Teaneck, N. J.
Phone: Hackensack 1137 W
Teaneck Road, 1 block south of Fort Lee Road

A Few

Pekingese dogs and puppies of quality now on hand at attractive prices. My folder, "Pleasure and Profit," and photos will be sent in answer to your inquiry.



Mrs. D. G. Miller, Bass Lake Kennels, 33 Terrace Ave., Hasbrouck Heights, N. J.



PEKINGESE—Largest Kennel in America

All ages and colors. Chiefly "Sleeve Dogs" and puppies. Champion bred.

Some as low as $25

Satisfaction guaranteed. Safely shipped anywhere. Send for photographs and descriptions.

MRS. H. A. BAXTER
489 Fifth Avenue, New York. Telephone Vanderbilt 1236.
Great Neck, L. I. Telephone Great Neck 418.

WIRE-HAIRED FOX TERRIERS

Ideal dog for motor car and home. A few of our own, bred farm raised puppies for disposal.
Alvin Farm reg'd, American Kennel Club Williamstown, N. J.
Address communication
Mrs. Emma G. Hunter, 1660 N. Robinson St., Philadelphia, Pa. Belmont 3440-J.



PERSONAL SELECTION

I will select any dog to suit your requirements by a personal inspection of the leading kennels. I am in touch with breeders of pedigreed dogs of all kinds, especially shepherd dogs, chows, wire-haired fox terriers and Pekingese. Write for special inquiry card.

Address PERSONAL SELECTION
136 W. 75th St.
New York

TANGLEWOLD AIREDALES

INTELLIGENT, FAITHFUL, COURAGEOUS, ROYALLY BRED, REASONABLY PRICED

Address Communications to:
W. E. and A. G. BAKER
105 WEST 40th STREET NEW YORK CITY

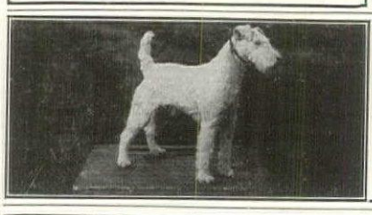
AIREDALE TERRIERS
THE ONE MAN DOG

Photos and prices on request.

SIERRA KENNELS
Volcano, Amador County, Calif.

Pedigreed Chow Puppies and Persian Kittens

Female Puppies .....$75.00 up
Males .....$100.00 up
White Male Kitten $25.00
Gray Male Kitten $20.00
White Female $20.00. Black Female with white $15.00, and one white female $15.00. Kittens can be seen by appointment in New York City. MISS L. GREEN.
Alpine-on-Hudson, R. R. Sta., Closter, N. J.
Tel. 53-J Closter. 30 minutes by motor from New York



Wire Haired Fox Terriers

Puppies, Brood Bitches, Show Dogs, for sale. 6 noted Sires at Stud.

PRIDES HILL KENNELS
Prides Crossing, Mass.

The Blue Grass Farm Kennels, of Berry, Ky.

offer for sale Setters and Pointers, Fox and Cat Hounds, Wolf and Deer Hounds, Coon and Opossum Hounds, Varmint and Rabbit Hounds, Bear and Lion Hounds, also Airedale Terriers. All dogs shipped on trial, purchaser alone to judge the quality, satisfaction guaranteed or money refunded. 100 page, highly illustrated, instructive, and interesting catalogue for ten cents. Dept. N.

SAMOYED PUPPIES FOR SALE

The Samoyed; the all-around dog; the intelligent dog; the affectionate dog; the beautiful dog; the children's playmate; full of "pep," but no "bite."
Puppies by Champion Toboisk out of Champion Zanoza.

DOGS OF ALL BREEDS BOARDED
Pedigreed Police Dog Puppies
DONERNA KENNELS
Phone Closter 104 Demarest, N. J.

MEDOR KENNEL

ALL BREEDS FOR SALE

70 West 47th St., near 6th Ave., N. Y. C.
Bryant 6340



OSOKO

Did you ever think of feeding your dog Osoko?

Send for a free sample and try it.

You will then know why it is so popular in the foremost kennels of the world.

Send for Sample and Price List H.

Manufactured by
SPILLERS VICTORIA FOODS, Ltd.
London, England

H. A. ROBINSON & CO.
Importers
128 Water Street New York City

I.P. BLACK FLAG Conditions Coat

Before the show, use Black Flag regularly and plentifully and your dog's coat will be perfect. Fleas worry the dog and prevent proper coat development. Blow into coat with powder gun. It will kill every flea. Non-poisonous; harmless to dogs and humans. Kills insects by inhalation. **Fleas don't eat it—they breathe it, and die.** In the red-and-yellow wrapper bearing the BLACK FLAG trademark. At all drug, grocery, department and hardware stores. Three sizes: 15c, 40c and 75c, (except west of Denver). Or direct by mail on receipt of price.



BLACK FLAG Baltimore, Md.

St. Bernards

and NEWFOUNDLANDS

Best possible pets for children. Companions, also guards for the home. Faithful and affectionate. From best prize pedigreed strains.



WHITESTAR KENNELS
Long Branch, N. J.
'Phone 855J

HOME FOR DOGS

AT WOODSIDE, LONG ISLAND

10 minutes from Pennsylvania station, 7th Avenue and 33rd St. Conducted exclusively for boarders. Established 20 years. Unsurpassed for pet and sporting dogs. Acres of exercising grounds with secure fencing. Health, Happiness assured. No sick dogs or young puppies taken. Inspection invited. Highest references.

KILLS FLEAS

Sergeant's Skip Flea Soap positively kills fleas, lice, etc. Won't irritate skin or eyes nor mat hair but leaves it clean, soft and fluffy. 25c cake lasts long time. At dealers or from us.

FREE DOG BOOK

Polk Miller's famous Dog Book, 64 pages, on care, feeding and training, also pedigree blank, ailment chart and Sen. Vest's celebrated "Tribute to a Dog." Write today for free copy.

POLK MILLER DRUG CO.

A Medicine for Every Dog Ailment



Standard 40 Years
727 Governor St. Richmond, Va.

YOUR LUCK BEGINS—

when you are the proud possessor of a *real* dog.





We'll help you in your search if you will just write to the

DOG MART

House & Garden, 19 W. 44th St., N. Y. C.

FUN AND HEALTH



A boy or girl can get more fun, physical development and ruddy health out of a pony than from any other source, and more real happiness than he or she is apt to get out of a fortune in later life.

Charlie has gained strength and self-reliance and is a happy, busy boy since the pony came"

Complete Outfits. Your satisfaction is guaranteed. Particulars on request.

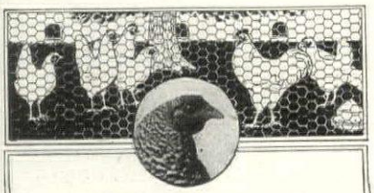
BELLE MEADE FARM, Dept. 3, Belle Meade, Va.



SICK DOGS

A BOOK on the treatment and the Care of Dogs (Especially Pets) mailed Free. Address: Humphreys' Veterinary Remedies, 156 William St., New York





ANCHOR POST
Poultry Run Fence

Used and endorsed by leading poultry raisers throughout the country, Anchor Post Poultry Run Fence commends itself because of its indestructible qualities, correct design and fine material and construction. Can be made rat and vermin proof, thus keeping the birds in a sanitary condition.

Write for special circular H. G.

Anchor Post Iron Works

Hudson Terminal Bldg.
52 Church St. New York, N. Y.
Boston Philadelphia Hartford
Cleveland Detroit Chicago
Cincinnati Pittsburgh Rochester

For more detailed information on fencing see our half page advertisement in this issue.

EGGS FOR HATCHING

We are now booking orders for eggs from the following birds:
PHEASANTS—Ringneck, Mongolian, Golden, Silver and Lady Amherst.
DUCKS—Mallard, Eng. Call, East Indian, White Muscovy, Buff Orpington.
GEESE—Gray African, winners of highest awards, Madison Square, 1922.
Pheasant eggs may be had in May and June, Ducks and Geese in April and May.
Safe arrival Guaranteed. Prices and particulars upon request.

TWIN BROOK GAME FARM Middletown, New Jersey

SQUAB BOOK FREE



Squabs are selling at highest prices ever known. Greatest market for 20 years. Make money breeding them. Raised in one month. We ship everywhere our famous breeding stock and supplies. Established 21 years. For prices and full particulars see our big illustrated free book. Write today.

PLYMOUTH ROCK SQUAB CO. 602 H ST., MELROSE HIGHLANDS, MASS.

WE offer for sale 16 varieties of Pheasants, 5 varieties of peafowl. Also fancy ducks, geese, swan, crane; Japanese Silky Bantams, wild turkeys, Buff Orpington and R. I. Reds in fowls. Pit Games a specialty. Send $1.50 for colortype catalogue.
Chiles & Company, Mt. Sterling, Ky.

Brooder for 50 to 100 chicks *No. 3 Poultry House for 60 hens—2 units* *Setting Coop*

EVERY NEED OF THE POULTRY FANCIER is met by Hodgson Poultry Houses. They are sturdy, weather-proof, vermin proof, properly ventilated, easy to clean and move. Shipped in sections and can be erected in less than an hour without the aid of skilled labor. Your hens will thrive and lay their best if kept in Hodgson Poultry Houses. Send today for illustrated catalog showing various kinds and sizes.

HODGSON *Portable* HOUSES

E. F. Hodgson Co., Room 326, 71-73 Federal St., Boston, Mass. 6 East 39th St., New York City.

"THE WOOD THAT ALL ITS USERS PRIZE THE WISE INVESTOR SAFELY BUYS"

A WORD

as to the

Reasons and Purposes

BEHIND THE INTERNATIONALLY FAMOUS

Cypress Pocket Library

(43 volumes—43 subjects of economic interest to "home-hopers," home-builders, and home-owners. "The one you want, the one you get." FREE on request. Full list is in Volume I together with U. S. Gov't Report on "the wood eternal." Write today for it.)

Everybody likes to build, but nobody likes "repair jobs."

Repair jobs inevitably represent *an additional investment without any addition to value.*

That point is worth digesting.

When you build, whatever you build, you like to build "for keeps."

Some people change their minds about styles, in building the same as in wearables; our tastes develop and result in changes in our wants; but nobody changes his or her mind as to wishing to get the greatest possible *endurance*, or *wear*, out of the things they buy, and especially is this true of *building* investments.

Yet, singularly enough, as many people know so little about *woods* and their relative values and special utilities; so many people think that "lumber is lumber" and never attempt to *specify* the *KIND* of wood they wish used; so many people believe that repair bills are "necessary evils," that we believe we shall be able to render a real public service by continuing the publication of THE CYPRESS POCKET LIBRARY, convenient in size, authoritative in character, of *probable* value as a technical guide, and careful and scrupulous in its every statement or inference.

We have not, and do not, by any means, recommend the use of Cypress without discrimination; Cypress is not the best wood for *every* use; but where it IS appropriate it is so *emphatically* (and demonstrably) the *one best wood* that the *many* should know about it instead of the comparatively few who formerly profited by their special knowledge.

WRITE FOR VOLUME I, with full text of U. S. Government Report on Cypress, and containing complete list of all the 43 volumes in the library. Then write us for the volumes that will best serve you.

It may be of interest that many of the volumes of The Cypress Pocket Library have become established as standard works of reference—text books—in a number of eminent educational institutions and Government Departments. This is a gratifying tribute to the broad and helpful spirit in which these booklets have been produced, and more than justifies the theories behind the original *pioneer* idea of such a Library for Lumber USERS.

Let our "ALL-ROUND HELPS DEPARTMENT" help YOU. Our entire resources are at your service with Reliable Counsel

SOUTHERN CYPRESS MANUFACTURERS' ASSOCIATION

1210 Poydras Building, New Orleans, Louisiana, or 1210 Graham Building, Jacksonville, Florida

INSIST ON TRADE-MARKED CYPRESS AT YOUR LOCAL LUMBER DEALER'S. IF HE HASN'T IT, *LET US KNOW IMMEDIATELY.*

THE NAST INTERNATIONAL TRAVEL BUREAU



Wardman Park Hotel

overlooking Rock Creek Park, combines cosmopolitan luxury with country-like charm.

HARRY WARDMAN, President — ELMER DYER, Manager

Connecticut Avenue and Woodley Road
WASHINGTON, D.C.



109-113 W. 45th St. **Hotel St. James** Times Sq. N. Y. City

Midway between Fifth Avenue and Broadway. An hotel of quiet dignity, having the atmosphere and appointments of a well-conducted home. Much favored by women traveling without escort, 3 minutes' walk to 40 theatres and all best shops. Rates and booklet on application. W. JOHNSON QUINN.



Is your baggage protected?

From the moment it leaves your home, your baggage is subject to a host of hazards and perils unavoidable in transportation.

A North America Tourist Baggage Policy will protect your baggage against practically every peril of transportation. Such protection costs but little and payments of claims are prompt and sure. Insure by the year.

For full details, fill out the memorandum below and mail it to us today.

Any insurance agent or broker can get you a North America Policy.

Insurance Company of North America
PHILADELPHIA

The Oldest American Fire and Marine Insurance Company

Capital $5,000,000 Founded 1792

MEMORANDUM *(Mail at once)*

INSURANCE COMPANY of NORTH AMERICA Dept. N 5
Third and Walnut Streets, Philadelphia, Pa.

Send information regarding Tourist Baggage Insurance

To _____ (Name)

Address _____

Mention also any other form of insurance (except life) in which you are interested

Your Summer Vacation

Do you look forward to an ocean voyage?
Do you long to visit quaint out-of-the-way places?
Do you prefer great cities—gay foreign capitals perhaps?
Are you thinking of a trip to Europe?

You can do all this by grasping the great travel opportunity of the summer.

The Raymond-Whitcomb North Cape Cruise

You can sail from New York on June 28, and for five weeks you will have a privately chartered liner for your home—a liner of 18,000 tons, (the S. S. "Osterley") for a yacht in which you are part owner.

You will visit Iceland; climb the North Cape; wind in and out of Fjords of Norway whose steep mountains give the feeling that you are somehow on a Swiss Lake. The Midnight Sun will turn night into day—a day a week long.

You will visit *Hammerfest*, most northerly town in the world; *Trondhjem*, ancient Norwegian capital; *Bergen*, *Christiania*, capital of Norway; *Copenhagen*, capital of Denmark, Hamlet's castle at *Elsinore*; *Helsingborg* in Sweden; *Zeebrugge*, *Bruges*, *Ostend* and *London*.

There the cruise proper ends July 31, and you may return when you choose—on the "Mauretania" on August 5, or at any date through the Fall. There is opportunity for European travel—with this cruise as prelude and assured return accommodations. A series of convenient extension tours to the Passion Play, Switzerland, France and England are at your command.

Cruise rates are $675 and upward.

RAYMOND & WHITCOMB CO.
22 Beacon St., Boston

There is a special book about the Cruise. Send for a copy.

THE AMBASSADOR New York
THE AMBASSADOR Atlantic City
THE AMBASSADOR Los Angeles
THE ALEXANDRIA Los Angeles

The Ambassador
HOTELS SYSTEM

Write for floor plans and illustrated booklets. Direct or: THE AMBASSADOR, Park Avenue at 51st Street, New York. Telephone: Rhinelander 9000.

America's most distinctive Hotels

TRAVEL LITERATURE ON REQUEST

1. **Southern California.** All the year. Imagine a land where you have nearly the same temperature the year round. Magnificent scenery. Mountain and beach resorts. Outdoor life and sports. Perfect motor roads. Wonderful hotels.
2. **Glacier National Park.** The main range of the Rocky Mountains extends through the entire park. There are over sixty living glaciers and 250 mountain lakes. Luxurious hotels, comfortable camps, interesting tours.
3. **Resorts in the Canadian Rockies.** Banff, Lake Louise, Emerald Lake—these have magnificent hotels whose windows open on white peaks, vast glaciers and beautiful mountain lakes of the Canadian Rockies. Music, dancing, perfect food and service.
4. **Motor Tours.** For those who prefer to travel by motor, we can furnish booklets of motor tours under competent management in Europe, Africa, Canada or United States, including tour to Pacific Coast.
5. **Europe 1922.** Itineraries of European tours, with estimates of cost. These afford a comparison of advantages offered by various routes. Please specify whether intrested in joining party or in independent travel.
6. **Land of the Midnight Sun.** Iceland, the North Cape, the Lofoten Islands, Fjords of the Northland—one of the most unusual and comfortable voyages possible to the summer traveller.

Any of the above booklets, or information pertaining to any proposed trip will be sent to readers on request to:—

The Nast International Travel Bureau
25 West 44th Street — New York City



Majestic Mount Robson, Alt., 13,068 feet.

Jasper Park and Mount Robson Park embrac the scenic mountain wonders of the Dominio Canadian National Railways cross the Rocki at the lowest altitude, the easiest gradients a in view of Canada's highest peaks.

Your Ideal Vacation

is realized in the "Highlands of Ontario"- Algonquin Park (Alt. 2,000 ft.)—Muskol Lakes—Great Lakes—30,000 Islands Georgia Bay—Lake of Bays—Kawartha Lakes—Tima gami—Nipigon—Quetico—Minaki. Fishing Boating, Bathing, Golf, Camping and fine Hotels. Hay fever unknown.

Lower St. Lawrence and Maritime Province

Fishing, Hunting and Camping

Real fishing and hunting in virgin streams an unspoiled big game country in NOVA SCOTIA NEW BRUNSWICK, QUEBEC, ONTARIO ALBERTA and BRITISH COLUMBIA.

For full information write

Canadian National or Grand Trunk Railways

at any of the following addresses. Ask fo Booklet E, mentioning districts that interest you.

Boston, 294 Washington Street; Buffalo, 101 Chamber of Commerce Building; Chicago, 6 West Adams Street; Cincinnati, 406 Traction Building; Detroit, 527 Majestic Building; Du luth, 430 W. Superior Street; Kansas City, 33 Railway Exchange Building; Los Angeles, 7t and Spring Streets; Minneapolis, 518 Second Ave., South; New York, 1276 Broadway; Pitts burgh, 505 Park Building; Portland, Me. Grand Trunk Station; San Francisco, 689 Mar ket Street; Seattle, 902 Second Avenue; St Louis, 305 Merchants Laclede Building; St Paul, 4th and Jackson Streets.

H. H. Melanson
Passenger Traffic Manager, Canadian National Railways, Toronto, Can.

G. T. Bell
Passenger Traffic Manager, Grand Trunk Railway, Montreal, Can.



THE GLEN SPRINGS

WATKINS GLEN, N. Y. — ON SENECA LAKE

Wm. E. Leffingwell, President

For Intelligent Rest. Illustrated Booklet on Request

The HOMESTEAD

Christian S. Andersen, Resident Mgr.

Hot Springs Virginia

Outdoor Sports. Every Hotel Comfort

HOTEL WEBSTER

(near 5th Ave.)

38 West 45th Street, New York City

A high-class, conveniently located hotel. Ideal for Ladies traveling alone. Write for map & rates

John P. Tolson.

THE PLAZA

FIFTH AVENUE *at* CENTRAL PARK
NEW YORK

A luxurious world hotel, ideally situated

The LENOX — The BRUNSWICK

BOSTON

On Either Side of Copley Sq.

HOTEL VENDOME

Commonwealth Ave. Boston at Dartmouth Street

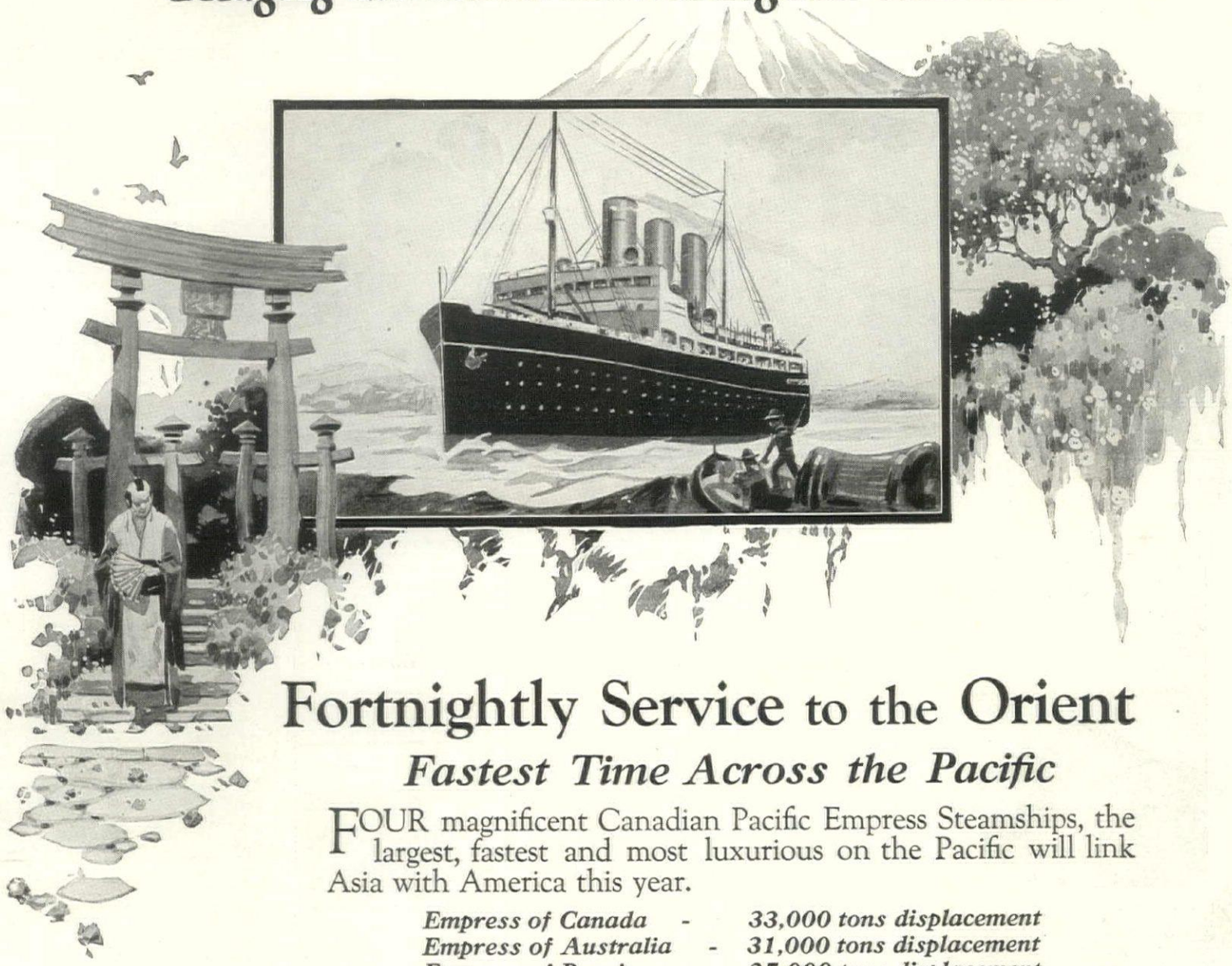
DELIGHTFULLY LOCATED in The Beautiful Back Bay District and quickly accessible to shops, theatres and attractions. Notable for its distinctive atmosphere of refinement and well-ordered living.

C. H. GREENLEAF CO., *Props.*
Everett B. Rich, Managing Director
Franklin K. Pierce, Associate Mgr.

Send for Illustrated Booklet.

The Canadian Pacific Route

Bridging two oceans and linking four continents



Fortnightly Service to the Orient

Fastest Time Across the Pacific

FOUR magnificent Canadian Pacific Empress Steamships, the largest, fastest and most luxurious on the Pacific will link Asia with America this year.

Empress of Canada	-	***33,000 tons displacement***
Empress of Australia	-	***31,000 tons displacement***
Empress of Russia	-	***25,000 tons displacement***
Empress of Asia	- -	***25,000 tons displacement***

The Canadian Pacific Empresses hold the record for the fastest time to the Orient. The new, palatial *Empress of Canada* and *Empress of Australia*, now to be linked with the well known and popular *Empress of Russia* and *Empress of Asia*, are marvelous achievements of modern science and marine architecture. They possess individually the grandeur, speed and perfection of appointments that make them easily the choice of discriminating travelers.

Japan, China and the Philippines

Fortnightly Service from Vancouver, B. C., via Victoria.
The new *Empress of Canada* makes her maiden voyage June 29th.

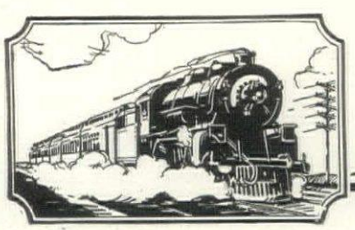
Plan your trip now to Japan, Korea and Manchuria. See Fujiyama, the sacred temple cities of Nippon; visit the Forbidden City of Pekin, the ancient wall of China; the great Oriental ports of Shanghai and Hong Kong and the exotic city of Manila, in the Philippines.

As easy as a trip to Europe

For rates and full information about your ocean and rail trips,

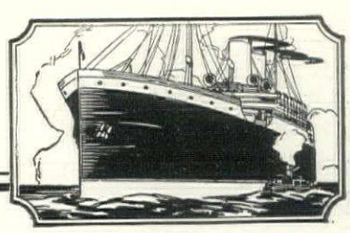
Canadian Pacific Agents in the United States

Atlanta, Ga.....49 No. Forsyth St.
Boston, Mass.....405 Boylston St.
Buffalo, N. Y.....160 Pearl St.
Chicago, Ill.....40 No. Dearborn St.
Cincinnati, O.....430 Walnut St.
Cleveland, O.....1040 Prospect Ave.
Detroit, Mich.....1239 Griswold St.
Los Angeles, Cal...605 So. Spring St.
Minneapolis, Minn...611 2nd Ave., So.
Montreal, Can.....141 St. James St.
New York..Madison Ave. at 44th St.
Pittsburgh, Pa.....340 Sixth Ave.
Portland, Ore.....55 Third St.
San Francisco, Cal....675 Market St.
Seattle, Wash.....608 Second Ave.
St. Louis, Mo.....420 Locust St.



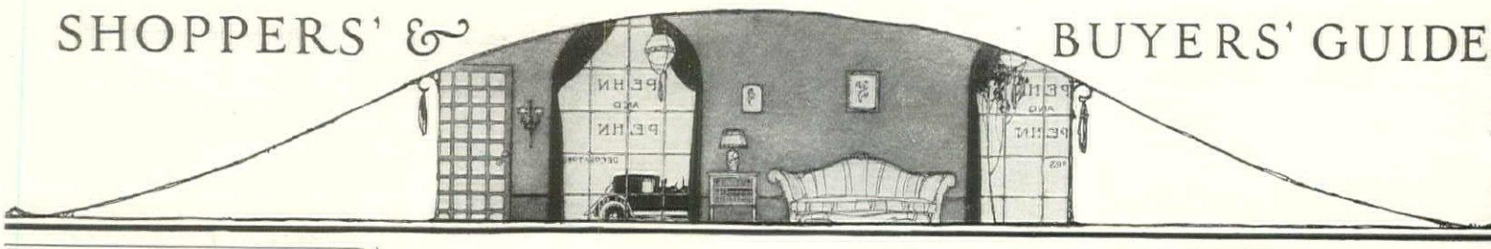
Ask the CANADIAN PACIFIC

Before you plan a journey see a Canadian Pacific Agent



OFFICES AND AGENTS ALL OVER THE WORLD

SHOPPERS' & BUYERS' GUIDE



A classified list of business concerns which we recommend to the patronage of our readers

Shoppers' & Buyers' Guide, House & Garden, 19 West Forty-Fourth Street, New York
Advertising rates given upon request

Antiques

THE QUAINTEST ANTIQUE SHOP in N. Y. City. Coloured Glass—Colonial Furniture—Mirrors—China—Jewelry—Silver and Victorian pieces. Sidney K. Powell, 17 East 8th St., N. Y.

ANTIQUES BY MAIL
Send for my new list of specials in Furniture, Glass, Fabrics, Brass, Pewter, China, Etc.
Wm. C. Waldron Cherry Valley, N. Y.

AMSTERDAM SHOPS
Early American Furniture—1650 to 1830. Also Wall Papers & Chintzes in reproductions of Colonial designs. 608 Amsterdam Ave., N. Y. (near 89th St.)

Pulaski Distinctive Antiques, 112 E. 57th St. Early American secretary desk $145. Colonial table $18. Windsor arm chair $28. Pewter candlestick $20. French & Italian antiques, brocades, chintzes.

BLENNERHASSET HOOKED RUGS
in beautiful floral designs. Unusual antiques.
The Blue Door Gift Shop
219 Putnam Street Marietta, Ohio.

ANTIQUES. Reproductions—Candlesticks, Candelabra, Sconces, Wrought Iron Table Lamps, Floor Lamps, Knockers, Andirons, Samovars. Call or write. Russian Antique Co. 1 E. 28th St., N. Y.

Arts and Crafts

CANADIAN HOMESPUNS, direct from looms of French habitants. Variety of shades & colors. Average width 32 inches. Samples, state colors. Canadian Homespuns, Ltd., 347 Craig West, Montreal



For porch or sunroom comes this wall pocket of delicately colored porcelain, for flowers or ivy. 9" high. $1.50. May be purchased through House & Garden Shopping Service.

Arts and Crafts—Cont.

COCKCROFT ILLUMINATED BLOUSE. Any color, crepe de Chine, $6.00. Easily made at home. Follow instructions and create a beautiful garment. Cockcroft Silk Co., 17 E. 39th St., N. Y.

HAND-FORGED WROUGHT IRON
A century-old shop making early American reproductions and modern designs. Send for circular.
Half Moon Forge, Ruby, N. Y.

FINE ART for every home.
Fine painted pictures $6.00. Write for illustrated Catalog. The Art to Home Studio, 3407 Wyoming, St. Louis, Mo.

Auction Bridge and Cards

AUCTION BRIDGE TAUGHT BEGINNERS
and advanced players. Private and classes.
Mrs. Agatha Wilkins
255 West End Av. (at 72d), N. Y. Tel. Col. 7382

YOUR OWN NAME ON BRIDGE SCORES
250 officially ruled sheets, 6 x 9 in. Your name on each sheet. Postpaid anywhere, $2. Agents wanted. Beach Company, 904 Sycamore, Cincinnati, Ohio

AN INFINITE VARIETY
of merchandise is listed in these columns. Something for almost every need.

Babies' Things

THE LILIPUTIAN BAZAAR BOOK
of fashions. A little book of clothes and comforts for baby will be mailed upon request.
Best & Co., 5th Ave. at 35th St., N. Y. C.

Beauty Culture

MME. MAYS. Face Specialist. Est. 1891. Permanently removes wrinkles, freckles, scars, etc. Muscles tightened; endorsed by known physicians. Booklet sent: 50 W. 49th St., N. Y. Bryant 9426

Beauty Culture—Cont.

MME. JULIAN'S HAIR DESTROYER permanently eradicates all superfluous hair. No electricity or poisonous ingredients. Stood test 50 years. Mme. Julian 14 West 47th Street, N. Y. C.

REDISCOVERED—OLD WORLD SECRET of Slenderness & Health—Reduces Flesh—Relieves Rheumatism—External Application only. For information Write—Primavera Co., 105 W. 40th St., N. Y.

FACE AND NECK TREATMENTS at the Darsy Salon employ the methods of the great French specialist, Dr. Dys, for 30 years adviser to fashionable Parisiennes and royalty.

Special treatments for Wrinkles, Flaccid Tissues, Double Chin and Scrawniness. Send for booklet describing Dr. Dys' preparations and their use.
V. Darsy, 630 Fifth Ave. (at 50th St.), New York

EGYPTOL—Nature's Aid to Beauty
Daily use removes wrinkles. Home Treatment Sets $5.20. Booklet Free.
Francois. 260 So. 17th St., Philadelphia, Pa.

MME. BARTHE. Beauty treatment. All signs of age removed and the skin rendered firm and youthful. Strictest privacy. Refined surroundings. 316 W. 95th St., N. Y. Tel. Riverside 5400.

NEW FACE LIFE—A treatment used at home; rejuvenates faces (without cutting).
Brochure sent free on request.
Dr. Stackhouse, 347 5th Ave., New York City.

Madame Berthe's ZIP positively destroys Hair with root. No electricity, no caustics. Free demonstration at office. Write for booklet. Mme. Berthe, Specialist, Dept. SC, 562 Fifth Ave., New York.

NEW
ideas, things and methods
keep the world young;
these columns overflow with new things.

Beads and Beaded Bags

BAGS
Steel Beaded Hand Crocheted Joe Michel
Photos Mailed 37 W. 39th St., N.Y.
Bead Bags Repaired Beads

Books

THE SUNWISE TURN—A Modern Bookshop
51 East 44th St., N. Y.
Neighboring the Grand Central. We do all the regular and many unusual forms of book-selling.

Catering

CARDANI **6TH AVE. at 53RD ST.**
For luncheon or special dinner
we recommend our
Italian Spumoni or

Biscuit Praline
moulded in melon form
Delightful — dainty — desserts
Tel. 1571 Circle New York

China

ROYAL DRESDEN
Agency
9 East 47th Street
New York City

Children's Things

THE DOLLS' AND CHILDREN'S SHOP
Festive party frocks, charmingly dressed dolls & accessories. Dolls' Hospital
18 West 47th St. N. Y. C.

NEEDLEWORK SHOP Y. W. C. A. 32 E. 48th St. Practical & fancy frocks for little girls (rough & ready) rompers & suits for small boys. Tub and sport dresses for juniors and women.

HAVE YOU ANY WANTS?
A quick reference to the Shoppers' and Buyers' Guide will satisfy them.

Cleaning and Dyeing

ARTHUR CHEGNAY—Expert French Cleaner & Dyer. Quick service. Gowns, suits, blouses, laces, chiffons, trimmings, etc., cleaned & dyed.
121 East 57th Street, N. Y. Plaza 7198

KNICKERBOCKER CLEANING & DYEING CO. High class cleaners and dyers. Main office 402 E. 31st St., N. Y. C. Branch offices in N. Y. City; also White Plains, New Rochelle, Newport & Paris

Dancing

MISS MURIEL PARKER
Modern Dancing taught by refined young lady. Expert individual instruction, $5 per lesson. Beginners specialized. 43 W. 46th St., N. Y. Bryant 3974

Delicacies

WILD BEACH PLUM JELLY
$3.00 and $4.75 per dozen glasses. Transportation prepaid East of the Mississippi. Cape Cod Products Co., North Truro, Cape Cod, Mass.

"Sis Liza's 'OLD SOUTH'" pickles, jams, marmalades, prepared by Mabel Boone Gosnell.
19 West 37th Street, Minneapolis, Minn.
Prices on request. Minimum shipment one dozen.

EAT PRUNES direct from packer in neat 5 & 10 lb. wooden boxes. All charges prepaid.
5 lb. box $1.50, 10 lb. box $2.75.
American Fruit Packers, San Jose, California

Designs for Fine Stationery

FINEST WHITE LINEN FINISH PAPER MADE
100 sets, $2.00 Die stamped in color, including monogram die, $3.00 extra.
Dept. B, Paramount Paper Co., Kalamazoo, Mich.

Dress Forms

PNEUFORM—The Pneumatic Dress Form. Gowns fitted without personal try-on. Inflated in fitted lining, gives exact figure. Fitted Linings. Pneuform, 16 West 46th St., N. Y. Bryant, 5338.

Employment Agency

MISS BRINKLEY, 507 Fifth Avenue, New York. Telephone Vanderbilt 4743. Housekeepers, governesses, nurses and household servants. Houses opened & renovated under our personal supervision.

Charlotte Gordon recommends intimate dependable servants and offers personal housekeeping experience to solve your problems. A service of integrity. 660 Madison Ave. (nr. 60th). Tel. Plaza 9467.

Flesh Reduction

SUPERFLUOUS FLESH REDUCED by modern scientific method. No dieting or exercising required. Dr. R. Newman, Licensed Physician, 286 5th Ave. (near 30th St.). N. Y. C. Phone Mad. Sq. 5758.

BUST, DOUBLE CHIN, HIPS, ABDOMEN reduced. B-Slym applied externally. Absolutely safe, large jar, month's treatment. $5 postage ppd. Re-juvenating Co., 2100 Chestnut St., Philadelphia

BEFORE YOU GO OUT TO BUY
read these announcements.
They will often save you time, trouble and money.

Furniture & Furnishings for the Home

The Interesting Piece in the right place. Painted table; comfortable chair. Bedrooms. Help with the problem of the difficult room. Tel. M. Sq. 7762. Mary Allen Distinctive Furniture, 8 W. 28th St.

Upholstered Sofas & Chairs & Windsor Chairs. Direct from factory at distinct savings. Chairs, $19 to $155. Sofas, $119 to $200. Crated & frgt. paid. Photos sent. Ruder Bros., 21 E. 48th St., N. Y. C.

SUMMER WEIGHT QUILTS—hand made of finest tub fabrics. Charming designs, lightly padded with wool or cotton. Write for samples and sketches to Eleanor Beard Hardinsburg, Ky.

COLONIAL BED SPREADS
Full size $15. Single $26 pair—quaint, tufted and fringed curtains to match $6.00 pair. Mrs. R. R. McCutchen, 1721 Pleasant St., Des Moines, Iowa

CHARACTERISTIC CRETONNES and CHINTZES
Distinctive Willow Furniture with "Personality." Archer-Bradshaw, 42 East 40th Street, New York. (Formerly with Joseph P. McHugh & Co.)

CRAFTSMAN FURNITURE CO.
Period Furniture
Finished or Unfinished to suit customer.
Tel. Mad. Sq. 5159. 122 Lexington Ave. N. Y. C.

Garden Things
and Landscape Architecture

GARDEN LABELS
Assortment of 75. Eight, ten and twelve inches long. For marking plants or garden rows. $1.00 postpaid. Gordinier's. Seedsman. Troy, N. Y.

GARDEN LINE
100 feet Best Braided Cotton Line for marking out gardens, roads or walks, $1.00 postpaid. Gordinier's. Seedsman. Troy, N. Y.

COMMISSIONS TAKEN for PAINTING GARDENS
and decorating rooms from garden pictures
Tel. Plaza 1585
27 Beekman Place, N. Y.

SAM PIKE NEGUS
Landscape Architect
16 Arlington Street
Boston, Mass.

ONLY GOODS YOU CAN RELY ON
can be
advertised in
Vogue.

Gowns Bought

MME. NAFTAL, Tel. Bryant 670, pays highe cash value for fine misfit; or slightly used eveni & street frocks, furs, diamonds, jewelry, silverwa
69 West 45th Street, New York

Gowns Remodeled

MY RE-BUILDING OF GOWNS IS THE TAL of New York, because I make creations out gowns that seem hopeless. Prices reasonable. Homer, 7 East 55th St., New York. Plaza 940

NEW
ideas, things and methods
keep the world young;
these columns overflow with new things.

Hair and Scalp Treatment

FRENCH HAIR OIL — GROWS NEW HA Cures Dandruff. Stops Falling Hair. Two Size $1.50 and $3.00. Bozenna Hair Specialists Dept. A. 5907 Hollywood Boul., Los Angeles, Ca

Interior Decorations

SUSAN SALT—Samples sent on approval for dra eries & furniture. Materials purchased. Interi decorating. Out-of-town houses a specialt 501 West 142nd Street, N. Y. Tel. Audubon 4



A scrap basket covered in gay wall paper and shellacked has a harmonizing glass handle and silk tassels. It is lined with Japanese paper in a neutral tone. 11" high. $10. May be purchased through House & Garden Shopping Service.

Interior Decorations—Cont.

CHAPIN, HARPER & DUTEL
76 West 48th St. Bryant 6887
Interior Decorators. Estimates
and suggestions for town and country work.

TABLE DECORATIONS, for sale or for rent
Ritz Carlton Maisonette
18 East 47th Street
Adeline de Voo Cummings—Murray Hill 6700-7661

LUCY RHEA
Interior Decorator
762 Madison Ave.
Tel. Rhinelander 3979 New York

BERTHA L. WALKER
Interior Decorations
256 Lexington Avenue
Near 35th Street.

CONSULTING DECORATOR helps to carry out your own inspiration in home decorating.
Laura Wand, 49 W. 44th St., New York.
Tel. Murray Hill 3317.

THIS DIRECTORY
has proven
an invaluable aid
to the shopper far ahead.

YOUNG MAN WISHES POSITION with Interior Decorating firm. Studied profession one year, well acquainted with period furniture and decorations. G. D. Musser Box 164 Tyrone, Pa.

ADAH BYERS—7 West 49th Street, New York
Hand Wrought Bird Cages
Stands and Brackets
Aquariums Flower Containers

Jewelry and Precious Stones

TRABERT and PLIMPTON. Formerly with Black, Starr and Frost and Tiffany & Co. Jewels Purchased and Appraised. Guarantee Trust Co. Bldg. 5th Ave., cor. 44th St., Murray Hill 1192.

FRANK C. HUTCHINSON BUYS DIAMONDS precious stones and individual pieces of jewelry or jewelry estates to be settled. Expert appraising. 344 Madison Ave. N. Y. C. Opp. Hotel Biltmore

Jewelry and Precious Stones—Cont.

DIAMONDS, JEWELRY, PAWN TICKETS Bought, Highest Prices Paid. Sills & Hirsh 104 West 44th St., N. Y. (one flight up)

Linens

The Linen Shop—Imported table damasks, towels, sheets, handkerchiefs, hand-embroidered linens of best quality, at reasonable prices. Samples on request. George Ort, 402 Mad. Ave. (nr. 47th), N. Y.

ONLY GOODS YOU CAN RELY ON can be advertised in House & Garden

Memorials

MEMORIALS FOR EVERY PURPOSE. In granite, marble, bronze and glass. Individual consideration. Sketches upon request. The Davis Memorial Co., Syracuse, N. Y. & 511 5th Ave., N. Y. C.

YOU CAN TRAVEL AT EASE through miles of interesting shops by following the Shoppers' & Buyers' Guide.

Monograms and Woven Names

Cash's Woven Names for marking clothing, household & hotel linens, etc. Write for styles & prices. J. & J. Cash, Inc., 822 Chestnut St., So. Norwalk, Conn., England — France — Australia — Canada.

TRULY UNUSUAL? Yes indeed! Out-of-the-ordinaryness is the chief charm to be had from the advertisers in these columns.

Perfumes

Wonderful Lasting Perfumes!! The world's best by Giraud of Paris & Grasse; "Odorantis," "Dans Les Nues," "Mysteriose." 3 Purse-size Extracts, $1. Catalog. J. M. Debans, U.S.Agt.,1 W. 34th St., N.Y.

Permanent Hair Wave

NESTLE'S Originators of Permanent Waving. World-Famous Experts. 12 and 14 East 49th St., N. Y. Phone Vanderbilt 9086-4113.

CALL AT SCHAEFFER'S if you want expert personal attention for a permanent wave. Positively no frizz or kink. J. Schaeffer, 590 Fifth Avenue. Phone: Murray Hill 5772

CLUZELLE BROS. Specialists in the new "Eugene" Permanent Waving Transformations Fitzroy 4191 12-14 W. 37th St., N. Y. C.

THE WIDE VARIETY of goods advertised on these pages is amazing. Read the announcements.

Shoes

E. HAYES, INC., 582 Fifth Avenue, New York. Individual style in ladies' shoes to order. Materials and colors of costumes matched. Write for Style booklet & directions in self-measurement.

Social Etiquette

CHARM, POISE & PERSONALITY—Overcome self-consciousness—Personality analyzed, correct social procedure authoritatively taught personally & by mail. Mlle. Louise-Marie Antoinette Hotel, N.Y.C.

Specialty Shops

SEASON'S SMARTEST SMOCKS—Japanese crepe hand embroidered in yarns, $10.00. Tin wall-pockets hand decorated for porch or sun-room 6 x 14, $3.00 The Blue Door, Marietta, Ohio.

Tea Rooms

PETER-PAN TEA ROOM 11 E. 35th St., N. Y. Opposite Altman's Luncheon for shoppers, 65c. Afternoon Tea. Special Dinner. $1; also a la carte. Good food a specialty.

Trousseaux

Artistic, Exclusively Hand-Embroidered monograms and initials. Finest work on Trousseaux. Mme. Angela Lattille, Room 431, 47 W. 34th St., N. Y. Tel. FitzRoy 0728. Mrs. A. Q. Hodgson, Mgr.

The Woman Jeweler

Opp. Altman's—**ROSE OLGA TRITT**—366 5th Ave. A Shop Intime on the 11th floor specializing in fine Gems, Settings and Repairs. Express your personality in your Jewelry. We will design and execute it well.

Wedding Stationery

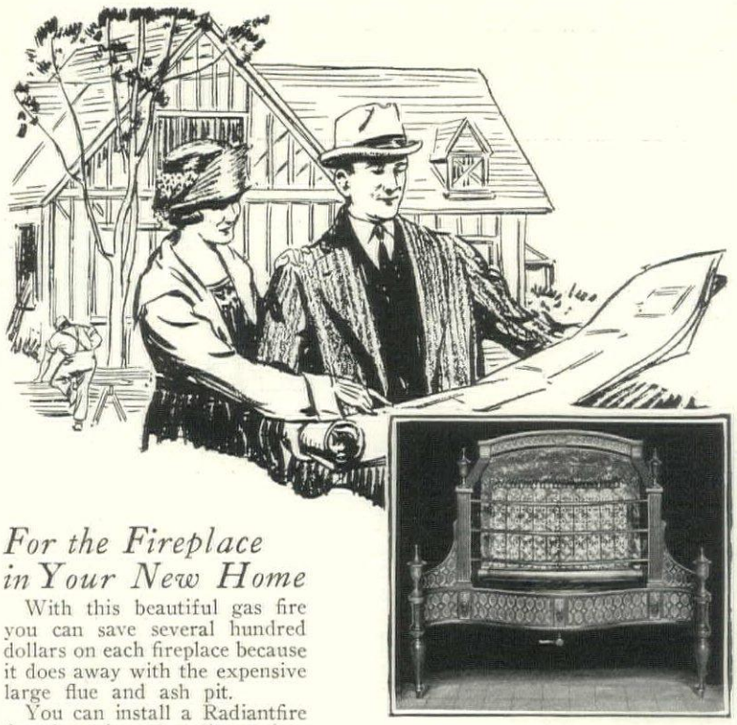
PAUL'S FOR WEDDING INVITATIONS, Announcements, Calling Cards and Fine Stationery. Prices and samples upon request. Peter Paul & Son, Inc., 256 Delaware Ave., Buffalo, New York.

THE BUYER'S DIRECTORY
WHOLESALE ONLY

Gifts

GIFT SHOPS Using Better Novelties Ask for My 1922 Catalog Also Containing Assortment. Suggestion from $15.00 Up. Rena Rosenthal, 444 Madison Ave., New York.

THE AIM OF THIS GUIDE is to help H. & G. readers to purchase both useful and unusual articles from the Best Shops in America.



For the Fireplace in Your New Home

With this beautiful gas fire you can save several hundred dollars on each fireplace because it does away with the expensive large flue and ash pit.

You can install a Radiantfire for the price of ordinary fireplace equipment and have double the heat at less cost. See one at your gas company or your local dealers or write for booklet.

No. 112
Colonial Design
For 24" to 36" openings

GENERAL GAS LIGHT COMPANY : New York Kalamazoo San Francisco

The HUMPHREY
Radiantfire
TRADE MARK REG. U.S. PAT. OFF.

The Madbury Lavatory

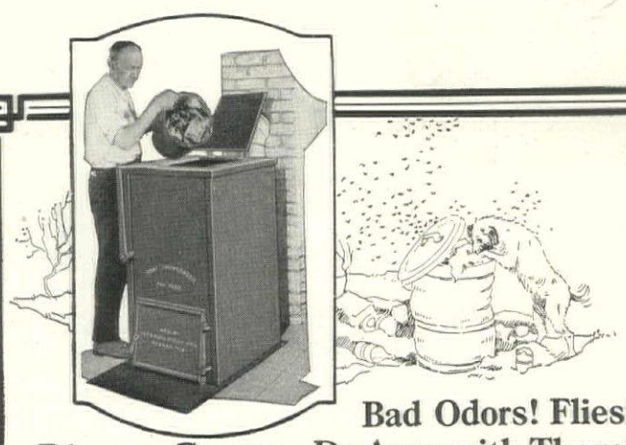


Perhaps the convenience of a washroom on the first floor of your home may be had for much LESS than you think. Ask your plumber

This message in the interest of the plumbing contractor, is published by a firm that has devoted the energies of three generations to the development of sanitary fixtures for the home—

MADDOCK

THOMAS MADDOCK'S SONS CO., TRENTON, N. J., U.S.A.



Bad Odors! Flies! Disease Germs—Do Away with Them!

Abolish that unsightly garbage pail of yours! That annoying swarm of flies. Stop permitting strange men to prowl about your house in search of garbage.

Make your entire place more sightly and clean by installing a

Ranz Garbage Destroyer

Put it in a corner of the basement—or outdoors. Dump in all the wet or dry garbage, rubbish, tin cans, glassware, etc. Build a fire once a week and the job is done.

Air-tight construction and ventilating system prevent the escape of any odor. As easy to install as a stove. Fits into new or old house. Made of cast iron. Lasts a lifetime. Simple. Used by U. S. Army. Two sizes, 1½ and 3 bu.

Write today for free literature and details. Let our experts help you solve your home sanitation problem.

The Neenah Brass Works
Dept. 24 Neenah, Wis.

SEND for BOOKLET

Neenah Brass Works
Dept. 24
Neenah, Wis.

Please send me literature about your incinerator. Tell me about house, apartment, hospital or hotel size. (Check.)

Name_____

Address_____

Now appearing in Vogue

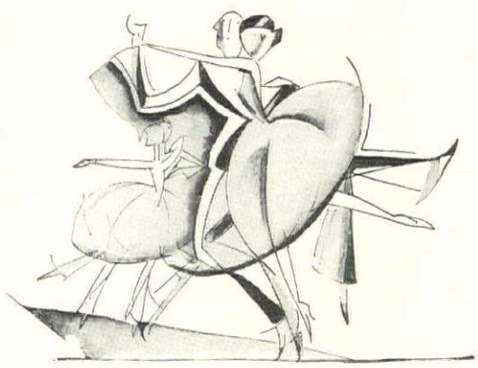
VOGUE'S
ETIQUETTE COUNSEL

A series of articles on accepted social usage



RECENTLY manners have altered so radically, not merely in form but in spirit, that Vogue feels it timely to review the whole subject of good usage and the right feeling on which good usage invariably is based.

IN the April 15 issue, therefore, Vogue began a series of articles covering all points of etiquette, and tracing them to their source in the native consideration of the gently-bred for the feelings of others.



TO know the letter of good manners is part of Vogue's daily routine. In America, Vogue is the acknowledged court of authority in all matters of social usage. Constantly it publishes articles on the approved forms of correspondence, permissible innovations in weddings, modified conventions in mourning, altered usage in entertaining. Every season, thousands of its readers consult Vogue on every nice point of usage.

The spirit of good manners is part of Vogue's tradition. Thirty years ago, Vogue was founded by ladies and gentlemen for ladies and gentlemen, and ever since its founding it has been edited by members of the inner circle for the group of people whom they and their friends know.

Vogue's tradition, therefore, is the tradition of good breeding; its knowledge is the knowledge of the cultivated world; and its pronouncements on where the conventions of society must be maintained and where they may be relaxed in the flux of this modern era are the pronouncements of authority.

This series

of articles offers a convenient reference for the sophisticated, a very present help to the humble, and a discreet little sermon on true good manners for gay and headlong youth. They will continue throughout the year.

VOGUE
19 W. 44th St.
New York City

Enclosed find $2 for which enter my subscription for the next ten (eleven if you act promptly) issues of Vogue. This will include all of the summer, fall and early winter fashion numbers. I am a new subscriber.

Name .....

Street .....

City ..... State.....

H. & G. 5-22

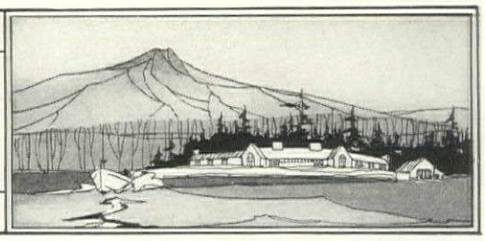
VOGUE

Condé Nast, Publisher
Edna Woolman Chase, Editor
Heyworth Campbell, Art Director

This Special Offer Limited To New Subscribers



Schools



NEW YORK CITY & VICINITY

The GARDNER SCHOOL
For Girls
11 East 51st Street, New York City
thorough school with delightful home life. ireproof building. College preparatory; aca- emic, secretarial and elective courses. Music. lding, swimming, tennis. 66th year.
iss Eltinge and Miss Masland, Principals.

udder School 248 West 72d St. at Riverside Drive, N. Y.
en buildings; attractive dormitories; like college Gymnasium, swimming, etc. No entrance ex- nations. **High School, Preparatory and Elective** rses; Spanish, French, Music, Art.
For older students:
POST GRADUATE SCHOOL
Secretarial Training, with unusual features. **Domestic Science,** one year course with diploma. **Community Service,** a new profession combining retarial, Social Welfare, and Americanization. duates of this Course are also qualified for grade secretarial positions. Address
MISS VIOLA SCUDDER

The Rayson School for Girls
moved to beautiful residence on the Drive. Home Day Departments. 28th year October 1922.
Clara I. Colbourne, A.B.
Martha K. Humphrey, A.M. } Principals
Riverside Drive, Cor. 103rd St., N. Y. City.

v York MADAME SKERTEN Paris
(Formerly of 3 Avenue Trocadero, Paris)
FRENCH SCHOOL FOR GIRLS
in New York.
sonal supervision. Boarding and Day Students
SUMMER TRAVEL IN EUROPE
and 15 E. 92nd St. Tel. Lenox 4794

RIVATE TUTOR
Elementary and Preparatory Branches
ccessful record with New York's leading private ools. Instruction at student's or tutor's residence.
S. H. D. ROBERTS 62 W. 84th Street
one Schuyler 3822 New York City

Mrs. Boswell's Residence
FOR GIRL STUDENTS IN NEW YORK
MRS. HENRY HARRISON BOSWELL
344 West 84th St., at Riverside Drive
Telephone Schuyler 3106
talogue on request Chaperonage

Attractive Home
FOR A FEW GIRL STUDENTS
rite for information to Miss M. C. Belden
391 West End Ave., New York City
near Riverside Drive
lephone Schuyler 1131 *Chaperonage*

TEASDALE RESIDENCE
For Young Women and Girl Students
pen all year Chaperonage
6 West 80th Street Riverside Drive
ooklet *Telephone: Schuyler 7724*

ew York Residence for Older Girl Students
Personal Supervision—Chaperonage
MISS M. HOURIGAN
grees from Royal Conservatories of Brussels and London.
one Rhinelander 5477 12 East 75th St.

Paris School
To be opened the first week in October under the direction of
MME. DAMARIS GRINGOIRE
Diplomee de l'Universite de Paris
E. 79th St. New York City.

HAPERONAGE to EUROPE
rs. Smith and Miss Gray will close their New ork Chaperonage for girls June 1st and will company a few girls on a travel tour: Paris, e Battlefields, Belgium, England. For particu- rs, address Mrs. Christine Smith and Miss nny J. Gray, The Wyoming, 7th Ave. at 55th ., N. Y. C.

MARYMOUNT
Tarrytown - on - Hudson, N. Y



Glee Club

COLLEGE
Four-year course leading to degrees

ACADEMY
Pre-academic, Academic and Two-year Finishing Courses

Domestic Science; Practical Dressmaking; Gymnasium; Swimming Pool; all outdoor sports.
For Catalogue address The Reverend Mother.

Are You Looking For a School?

IF so, don't defer the problem till the late summer. It is time to begin looking around now, when the schools are assembled and you can see the entire personnel of faculty and students. And if you want any assistance, don't hesitate to call on the service of the Nast School Directory.

What We Can Do For You

OUR experts are in touch with every important school in the country. We can save you time and worry by sending you full, accurate information on a number of schools from which to make a selection. Or we can give you a reliable, disinterested description of any particular school you may refer to our judgment.

What You Can Do To Help Us Help You

PLEASE tell us your problems as explicitly as possible. Indicate the range of price which you are considering. State the part of the country which you would prefer for the school's location. Tell us fully about any individual needs in the way of special care, extra tuition, and climate. If possible, outline any plans you may have for the future of the student.

Remember, too—the Nast School Service covers not only the boarding schools and colleges, but also academies of music, dancing and the arts in general, and vocational courses for persons of all ages.

Write to

The
NAST SCHOOL DIRECTORY

23 West 44th St. New York City

NEW YORK CITY & VICINITY

BRIARCLIFF
Mrs. Dow's School for Girls
Mrs. EDITH COOPER HARTMAN, B.S.-Principal
BRIARCLIFF MANOR - NEW YORK
Music and Art with New York advantages. College preparation.
Music Department:
Mr. Ossip Gabrilowitsch, Artistic Adviser
Mrs. Florence M. Stevens, Director
Art Department:
Mr. George W. Bellows, N.A., Director
Junior School
Post-Graduate Department

The
ELY SCHOOL
ELY COURT
GREENWICH, CONNECTICUT
In the country One hour from New York.

OSSINING SCHOOL
For girls. 54th year. 30 miles from New York. Academic and Economic courses. Separate school for very young girls. For catalog address
CLARA C. FULLER, Principal
New York Ossining-on-Hudson Box 5-H

GLEN EDEN
For high-school girls or graduates. Suburban to New York City, 50 minutes from Fifth Avenue. Magnificent equipment. Buildings of granite. Enter any time. For booklet address
Director, Glen Eden, Stamford, Conn.

NEW JERSEY, ORANGE
Miss Beard's School for Girls
A country school, 13 miles from New York. College preparatory, special courses. Music, Art, Domestic Science. Supervised physical work in gymnasium and field. Catalog on request.
LUCIE C. BEARD, *Headmistress.*

CO-EDUCATIONAL

THE LIBERTA
233 West End Avenue
A DAY SCHOOL FOR CHRISTIAN SCIENCE CHILDREN. Kindergarten through Fourth Grade. Hot luncheon. Afternoon supervised play. For catalogue address
Mrs. Elinor Bailey Gibbs, Director

SCUDDER ELEMENTARY DAY SCHOOL
For Boys and Girls
Every child is different. We study the needs of each and guide the work and play to happy development. Saturdays, all day.
Miss Edna V. Speck
261 West 71st St., N. Y. Tel. Col. 10077

NEW YORK STATE

The **Knox School** *for Girls*
COOPERSTOWN, N.Y.



Trains for well-informed, capable, gracious womanhood

A school of American ideals in a country of American traditions

Remarkably complete equipment and beautiful setting on Otsego Lake. All outdoor sports.

Courses: College Preparatory, General, Secretarial, Music, Art. Advanced courses with diploma.

For Catalog address
MRS. RUSSELL HOUGHTON
COOPERSTOWN BOX H.G. NEW YORK

SOUTHERN STATES

Warrenton Country School For Young Girls
College preparatory and special courses. French, the language of the house. The school is planned to teach girls how to study, to bring them nearer nature and to inculcate habits of order and economy. No extras.
Mlle. Lea M. Bouligny, Box 45, Warrenton, Va.

EASTERN ATLANTIC

Wildcliff

A graduate school offering two years of highest quality academic work. Splendid courses in Home-making Science, Music, Language, Secretarial Training and Art. Equals two college years. Ideal home surroundings and influences. Catalog.



Mr. and Mrs. H. M. Crist. Principals,
Box 1509 G
Swarthmore, Pa.
The Graduate School of The Mary Lyon School

The Harcum School

For Girls **Bryn Mawr, Pa.**
Thorough college preparation or special study. Music, art. New stone building, large grounds. Hockey, tennis, basketball, riding.
Write for illustrated catalog.
Mrs. Edith H. Harcum, B.L. Head of School
Mrs. L. May Willis, B.P., Academic Head



Walnut Lane

65th Year **City and Country School**
High School Graduate; Academic; College Preparatory; Language; Music; Expression; Vocational Courses. Athletics; Horseback Riding. Swimming. Basketball. Tennis. Dancing. Military Drill.
S. Edna Johnston, A.B., Prin., Box M, Germantown, Phila., Pa.

HIGHLAND HALL, FOUNDED 1867

In old residential Hollidaysburg located in the most beautiful and healthful section of the Alleghany mountains. College preparatory, general and post-graduate courses. MISS ELLEN C. KEATES, A. B., Principal, Hollidaysburg, Pa.

OGONTZ SCHOOL Founded 1850.

A school for girls occupying an estate on the summit of Rydal Hills, 25 minutes from Phila. Illustrated booklet describing new building mailed on request. Rydal, Junior Department. **Miss Abby Sutherland, Prin. Pennsylvania, Montgomery County.**

MISS MILLS SCHOOL First Out-of-Door School

Girls 6 to 16 years. Ten acres. Riding, all sports. Sleeping porches. Delightful family life. French emphasized. ALBERTO JONAS, Supervisor of Piano. ELLEN STANNEY MILLS, Head of the School. PHILADELPHIA, MOUNT AIRY. "Cresheim." Box G.

BEECHWOOD

JENKINTOWN, PA.
Suburb of Phila.
School for practical training of young women. Junior College Departments, Music, Art, Domestic Science, Kindergarten, Normal Gymnastics, etc.
Large new gymnasium
Address as above

CENTRAL STATES

LINDENWOOD COLLEGE

Founded 1827. 50 minutes from St. Louis, Mo. Two and four year courses with degrees. Special courses. **Music Department of unexcelled merit.** Athletic field, gymnasium, swimming pool, tennis courts.
J. L. Roemer, Pres., Box 422, St. Charles, Mo.

LENOX HALL "The real Eastern School in the Heart of the Middle West."

Suburban location, 30 minutes from St. Louis. Six-acre campus, magnificently landscaped. College Preparatory and Special Courses. Athletics. Limited enrollment. Tuition $900 and $1,000. Catalogue. Address MRS. M. LOUISE THOMAS, Principal MISSOURI, Kirkwood, St. Louis Co., Box 1025.

FERRY HALL College preparatory,

general high school and advanced courses. Also special instruction in music, expression and domestic arts and sciences. On the shore of Lake Michigan, 28 miles from Chicago. For catalog address MISS ELOISE R. TREMAIN, Prin., Box 326, Lake Forest, Ill.

NEW ENGLAND

Mount Ida School for Girls

Preparatory, finishing school. Exceptional opportunities, with a delightful home life.
Send for Year Book
2630 Summit Street, Newton, Mass.

NEW ENGLAND

The Chamberlayne School



Situated on Boston's most beautiful avenue. Intensive courses preparing for college examinations. General course. Advanced work for high school graduates. Music, art, languages (native teachers). Organized athletics, gymnasium, swimming pool, playground. Horseback riding. Modern residence within a short distance of all the city's advantages.

GRACE L. EDGETT, Principal
261 Clarendon Street
(Corner of Commonwealth Ave.)
BOSTON, MASS.

ChoateSchool

1600 Beacon St., Brookline, Mass.

41st year. Home and Day School for Girls. Special emphasis on college preparatory work. General Courses. Athletic sports. Horseback riding. Social life of school special care of experienced teachers.

AUGUSTA CHOATE Vassar A.B., A.M.
Principal

THE MACDUFFIE SCHOOL

Springfield, Mass. 3 buildings. Gymnasium, Swimming, Ball field, Tennis, Horseback riding. College Preparatory, General, Secretarial and Special Courses. Housecraft, model practice house. 35 girls, 12 teachers. Principals, John MacDuffie, Ph.D., Mrs. John MacDuffie, A.B.

Saint Margaret's School

47th year. College preparatory. Secretarial and Domestic Science Courses. Gymnasium. Organized athletics. Outdoor life on 50-acre school farm. Miss Emily Gardner Munro, A. M., Principal. Waterbury, Conn.

House in the Pines

NORTON, MASS., 30 miles from Boston
A School for Girls. College preparatory and finishing courses. Music, Art, Household Arts. Secretarial courses. Every attention, not only to habits of study, but to each girl's health and happiness.
MISS GERTRUDE E. CORNISH, Principal.

ROGERS HALL SCHOOL For Girls

Lowell, Massachusetts. 38 minutes from Boston. Thorough preparation for college. For catalogue and views, address

Miss Olive Sewall Parsons, B.A.
Principal

Miss Hall's

SCHOOL FOR GIRLS
In the Berkshire Hills, on the Holmes Road to Lenox. Forty-five acres. One thousand feet above the sea level.
Miss MIRA H. HALL, Principal
Pittsfield, Massachusetts



LASELL SEMINARY

A school that blends the best of old New England ideals of woman's education with training that recognizes and meets demands of modern complex life.
Course of study, from first year high school grades through two years' work for high school graduates, ranges widely through academic and special elective courses. Unusual training in Home Economics, Music, Art, College Preparatory and Secretarial courses. Ideally situated for cultural advantages of Boston. Outdoor sports and gymnasium. 15 buildings. 30 acres.

WOODLAND PARK
The Junior School for Girls under 15
Catalogs on application
Camp Teconnet opens July 1st
GUY M. WINSLOW, Ph.D., Principal
CHAS. F. TOWNE, A.M., Assoc. Principal
149 Woodland Road, Auburndale, Mass.

DISTRICT OF COLUMBIA

NATIONAL PARK SEMINARY

For Young Women **Washington, D. C., Suburbs**
James E. Ament, Ph.D., LL.D., President
Two-year courses in college work. Girls may specialize in Music, Art, Expression and other vocational courses. Domestic Science diploma. 90-acre campus. 32 buildings. Gymnasium and swimming pool. Horseback riding. Club houses for recreation and social activities. Reference required. Application made to
The Registrar, Box 199 **Forest Glen, Md.**
New College Preparatory Department for younger girls. Separate building and class work.



"Kappa," one of eight charming clubhouses

CHEVY CHASE SCHOOL

A school for the girl of today and tomorrow. Courses: Preparatory; two-year advanced for high school graduates; special. Unrivalled location at the national capital. For catalog, address CHEVY CHASE SCHOOL, Box O, FREDERICK ERNEST FARRINGTON, Ph.D., Headmaster, WASHINGTON, D. C.

GUNSTON HALL

A School for Girls Established 1892
Mrs. Beverley R. Mason, Principal
1926 Florida Ave., Washington, D. C.

KING-SMITH STUDIO SCHOOL

of Washington and Paris. August King-Smith, Director. Travel and Study Class will tour in Europe during the summer. Six weeks of residence and study in Paris. For information, address
King-Smith Studio School,
1751 Newhampshire Ave. Washington, D. C.

FAIRMONT SCHOOL

For Girls. 24th year. Limited to graduates of accredited preparatory and high schools. Two-year college and special courses. Effective use of Educational advantages of National Capital.
2109 S Street, N. W., Washington, D. C.

The Colonial School

For Girls
In National Capital. High School, College Preparatory and Collegiate courses. Complete Domestic Science and Secretarial departments. Music, Art, and Expression. Well ordered home and social life. Athletics. **Miss Jessie Truman, Associate Principal,**
1537 Eighteenth Street, N. W., Washington, D. C.

SUMMER CAMPS

Aloha Camps, For Girls Fairlee, Vermont

3 distinct camps **Ages 7-13 13-17 17-30**
On Lake Morey. 18th season. All sports. Horse-back riding. Our aim—a vigorous body, alert mind and strong character. 2,000 girls have been in camp and not a single serious accident. Aloha Camp for Boys under same management. For booklets address
MRS. E. L. GULICK
204-H.G. Addington Road Brookline, Mass.

DEVEREUX TUTORING CAMP

For Boys
who need individual instruction. All grades. Vocational training. 55 acres. Swimming.
Box H.G. **Berwyn, Pa.**

CAMP BEAU RIVAGE

PORTSMOUTH, N. H.
French camp for girls. All sports by land and sea. For booklet address Secretary.
57 East 74th Street, New York City.

SPECIAL SCHOOLS



THE GARLAND SCHOOL OF HOMEMAKING

A special school which qualifies girls to preside over and maintain well ordered homes.
MARGARET J. STANNARD, Director
2 Chestnut St., Boston, Mass.

COMBS CONSERVATORY OF MUSIC

37th year. **Individual Instruction.** All branches theoretical and applied including Public Performance. Degrees conferred. Reciprocal Relations with Univ. of Pa. Dormitories for women.
GILBERT RAYNOLDS COMBS, Director
Box H.G. Broad and Reed Streets, Philadelphia

The Sargent School for Physical Education

Established 1881 Booklet on request.
D. A. SARGENT **L. W. SARGENT**
Cambridge 38, Mass.

DISTRICT OF COLUMBIA

BOYS' SCHOOL

NEW YORK

New York Military Acade

A SCHOOL OF DISTINCTIO
CORNWALL ON HUDSON, NEW YORK — FOR CATALOGUE WR TO THE SECRETA

NOBLE & GREENOUGH SCHO

Dedham, Mass.
A Country Boarding and Day School, 9 miles Boston. 100 acres. On the Charles River. Su mansion. Gymnasium and boathouse. Ath fields. Preparation for college and scientific sch
Address Charles Wiggins, 2d, Headmaster.

WORCESTER ACADEM

2 5 0 BOY
WORCESTER MA

MASSEE COUNTRY SCHOO

Shippan Point **Stamford, Con**
52 minutes from New York on Long Isla Sound
Prepares for all colleges and technical schoo Junior Department for boys 7 to 14. O teacher to every 12 boys. Athletics and outdoor sports on beautiful campus of acres overlooking Long Island Sound.
W. W. Massee, Ph.D., Box G. Stamford, Con

EASTERN ATLANTIC

TOME SCHOO

Midway between Philadelphia and Baltir
Individual supervision of every boy
Rate $1000 **Port Deposit,**

FREEHOLD MILITARY SCHO

For *80 select young boys.* Just enough of Military training to inculcate habits of obedi promptness, orderliness and self-reliance. S and play carefully supervised. N. Y. 42 mi Phila. 66 miles. "The school with the *pers* touch." MAJOR CHARLES M. DUNCAN, Box Freehold, N. J.

SUMMER CAMPS

THE TEELA-WOOKET CAMPS

(For Girls under 20 years) **Roxbury, Vt.**
THE WONDER CAMP IN THE GREEN MOUNTAINS
A 300-acre wonderland in the Green Mountains. Athletic fields, clay tennis courts, private swimming pond, sleeping bungalows, screened dining-rooms and a central assembly hall for music, plays, dancing and games around a big, cheery fireplace. **The Teela-Wooket Camps are famous for their fine saddle horses, free riding, and thorough instruction in horsemanship.** Enthusiastic counselors are carefully chosen. Separate camps for Juniors and Seniors. Write for illustrated booklet.
Camp Idlewild on Lake Winnepesaukee, N. H., is for boys.
Mr. and Mrs. C. A. Roys, 10 Bowdoin St., Cambridge, Mass.

SPECIAL SCHOOLS

DESIGNING and MILLINER

Dressmaking and Pattern Cutting taught for wh sale, retail or home use. Day and evening cla Call or write for particulars. McDowell Dr making and Millinery School. Established 1 Chartered under Regents. 58 West 40th St., N

SHORT-STORY WRITIN



A course of forty lessons in the hist form, structure, and writing of the Sh Story taught by Dr. J. Berg Esenw for years Editor of Lippincott's, 150-page catalogue free. Please add
The Home Correspondence Schoo
Dr. Esenwein Dept. 65 Springfield, M

Exceptional Children

Individual training will develop the child who c not progress satisfactorily. Miss Woods' Sch Box 169F, Roslyn, Pa. 14 miles from Philadelp Booklet.
Mollie Woods Hare, Principal

The Bancroft Schoo

The Home School for Subnormal Children. One the oldest and best schools of its kind in exister
Address **Box 145, Haddonfield, N. J.**
E. A. Farrington, M. D. Jenzia Coulson Coo

SPECIAL SCHOOLS



CHALIF
Russian School of DANCING
Art IN Dancing
Catalog on Request
163-165 W. 57th St., N.Y.

ROSETTA O'NEILL

ssic—National—
rthmic—Ball-room
DANCING

Miss O'Neill I owe my success,"
Mrs. Vernon Castle

Madison Ave., N.Y. Phone Rhinelander 6770

EXIS KOSLOFF
Imperial Russian Ballet
West 57th Street, New York
s and private instruction in
sical, Interpretive, Characte
Greek, Egyptian, Pantom
e, Ballet, Stage and Social
cing. Children's classes.
ormal Course beginning
e 2nd, ending August 25th.
'SSIAN BALLET TECH-
QUE" & "DANCES WITH
SCRIPTIONS" for sale at the
dio. Telephone Circle 5208



DENISHAWN
IN NEW YORK
Under the personal direction of
RUTH ST. DENIS and TED SHAWN
80 West 40th St., Phone Longacre 7233
Mabel R. Beardsley, Manager

Denishawn in California
ocal classes and children's work continued.
932 S. Grand Ave., Los Angeles, Cal.
Gertrude C. Moore, Manager



Rocky Mountain Dancing Camp
Steamboat Springs, Colo.
Junior and Senior Camps. Horseback riding, camping trips, swimming, basketball, tennis.
Normal and Professional Classic Dancing Depts. Winter Session:
PORTIA MANSFIELD SCHOOL, Carmel-by-the-Sea, California. *Booklet.*

SPECIAL SCHOOLS

VESTOFF SEROVA Russian School of Dancing
SUMMER NORMAL CLASSES JUNE 5—JULY 28
Ballet, Classic, Interpretive and Ballroom Dancing—Professional and Dancing Teachers' Courses.
M. Veronine Vestoff, Artist Pavlowa's Imperial Ballet
Mlle. Sonia Serova, Graduate Russian School
Illustrated Catalog H
47 West 72d St., New York
Telephone Columbus 6212

Miss Conklin's
SECRETARIAL SCHOOL
Twenty-third Year
A school for professional training. High standard of excellence attained. Bureau of Placement for all graduates. Illustrated booklet on application.
Studios of the Tilden Building
105 West 40th Street, New York

The New York School of Secretaries
Madison Avenue & 44th Street
New York, N. Y.
Three Months' Course
Students subject to probation; Graduates registered.
Write for Prospectus C. Vanderbilt 4039

Secretarial Training
Intensive course begins in June.
Day and Evening classes in all business subjects, commercial art, languages, domestic arts, practical nursing, tea room management. *Estab. 50 years.*
BALLARD SCHOOL
CENTRAL BRANCH Y. W. C. A.
Lexington Ave., At 53rd St., N.Y.C.

Katharine Gibbs School
of Secretarial and Executive Training for Educated Women
BOSTON, 247 Berkeley St.; NEW YORK, 101 Park Ave.; PROVIDENCE, 14 Greene St.
A school of unusual character and distinctive purpose. Resident facilities in the Boston school, in exclusive residential section of the city.

Costume and Millinery Design de Luxe
with P. CLEMENT BROWN



The first edition of the Text Book by P. Clement Brown, a complete home course and reference book. Send $10 to New York Studio and a copy fully illustrated will be sent.
Three Famous Studios Open All Year
Brown's Salon Studios,
Box H.G. 5, 620 Fifth Ave.
New York City, N. Y.
33 Rue St. Roch, Paris, France
Fairmont Hotel San Francisco, Cal.



American Academy of Dramatic Arts
Founded in 1884
FRANKLIN H. SARGENT, President
The leading institution for Dramatic and Expressional Training in America. *Connected with Charles Frohman's Empire Theatre and Companies.* For information apply to
SECRETARY, 262 Carnegie Hall
New York, N. Y.

HELEN MOLLER
THEATRE FOR THE DANCE
Miss Moller has enlarged her school and established a theatre within a theatre.
Recitals—Instruction.
Lexington Opera House, 51st Street, New York City

MRS. SAM CARTER-WADDELL
Studio of Dancing
Class and private instruction in Ballet, Interpretive, Aesthetic, Folk and Social Dancing.
241 W. 72nd St. New York City

SPECIAL SCHOOLS



If you want to design
make and wear distinctively original costumes and hats, write for this complimentary book. No obligation. It will help you just as it has helped thousands of other women.
FASHION ACADEMY, Inc.
21 E. 79th St. Studio H.G. 5, New York City
Philadelphia 1432 N. Broad St. San Francisco Scottish Rite Temple

SCHOOL OF FINE AND APPLIED ART
Frank Alvah Parsons, Pres. William M. Odom, Paris Dir.
Send for information about our two Summer Schools — New York & Paris
Special Course in Paris with FRANK ALVAH PARSONS
Address—Secretary, 2239 Broadway, New York

The NEW YORK SCHOOL of INTERIOR DECORATION
101 PARK AVE. NEW YORK CITY
CORRESPONDENCE COURSES



Complete instruction in period styles, color harmony, composition, etc. Amateur and Professional Courses. Start any time.
Send for Catalogue H.

Statement of the Ownership, Management, etc. Required by the Act of Congress of August 24, 1912, of House & Garden, published once a month at New York, N. Y., April 1st, 1922. State of New York, County of New York, ss.: Before me, a Notary Public in and for the State and county aforesaid, personally appeared F. L. Wurzburg, who having been duly sworn according to law, deposes and says that he is the General Manager of House & Garden, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management, etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in section 443, Postal Laws and Regulations to wit: 1. That the names and addresses of the publisher, editor, managing editor, and business managers are: Publisher, Condé Nast, 19 West 44th St., New York, N. Y.; Editor, Richardson Wright, 19 West 44th St., New York, N. Y.; Managing Editor, R. S. Lemmon, 19 West 44th St., New York, N. Y.; Business Manager and General Manager, F. L. Wurzburg, 19 West 44th St., New York, N. Y. 2. That the owners are The Vogue Company, 19 West 44th St., New York, N. Y. Stockholders: Condé Nast, 470 Park Ave., New York, N. Y.; F. L. Wurzburg, Bronxville, New York; E. H. Stimson, 109 East 71st St., New York, N. Y.; D. A. Turnure, 109 E. 71st St., New York, N. Y.; M. DeWitt, 287 East 18th St., Brooklyn, N. Y. 3. That the known bondholders, mortgagees and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages or other securities are: None. 4. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders, and security holders as they appear upon the books of the company but also in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association or corporation has any interest direct or indirect in the said stock, bonds or other securities than as so stated by him. F. L. Wurzburg, General Manager. Sworn to and subscribed before me this 22nd day of March, 1922.
(Seal) Florence T. Nilsson, Notary Public. Queens County No. 400. New York County No. 32. New York Register No. 2026. My commission expires March 30, 1922.



FRECKLES

Now Is the Time to Get Rid of These Complexion Blemishes

There's no longer the slightest need of feeling ashamed of your freckles, as Othine—double strength—is guaranteed to remove these homely spots.

Simply get an ounce of Othine—double strength—from any druggist and apply a little of it night and morning and you should soon see that even the worst freckles have begun to disappear, while the lighter ones have vanished entirely. It is seldom that more than an ounce is needed to completely clear the skin and gain a beautiful clear complexion.

Be sure to ask for the double strength Othine as this is sold under guarantee of money back if it fails to remove freckles.

REDUCE Easily... Naturally

Three Slices of Basy Bread a day, Help reduce your weight in a natural way.

Doctors' Essential Foods Co.,
Orange, N. J.

Gentlemen:
Your Basy Bread has proved satisfactory. I have lost forty-seven pounds, reducing from two hundred and fifteen to one hundred and sixty-eight pounds. I am glad to tell my friends about Basy Bread.

Mrs. S. B.
Texas.

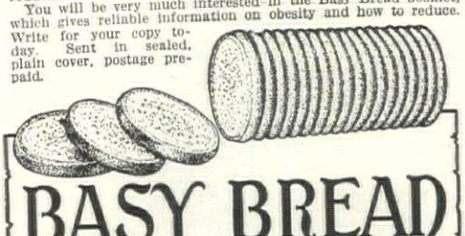
DOCTORS' ESSENTIAL FOODS CO.
35 Oakwood Ave.
Orange New Jersey

Your friends must have told you about Basy Bread, now a recognized standard weight reducing ration.

Basy Bread is not a medicine or drug, but a wholesome and delicious food—scientifically prepared.

There is no unpleasant dieting—no irksome exercises, in the Basy Bread course. Legions have reported remarkable reductions in weight with gains in strength and health.

You will be very much interested in the Basy Bread booklet, which gives reliable information on obesity and how to reduce. Write for your copy today. Sent in sealed, plain cover, postage prepaid.



BASY BREAD
REGISTERED — TRADE MARK

PLAN YOUR FUTURE HOME NOW

SEND FOR STILLWELL BUILDING BOOKS WITH ECONOMY PLANS

of New California Styles, Suitable for Any Climate. Famous for Comfort and Beauty

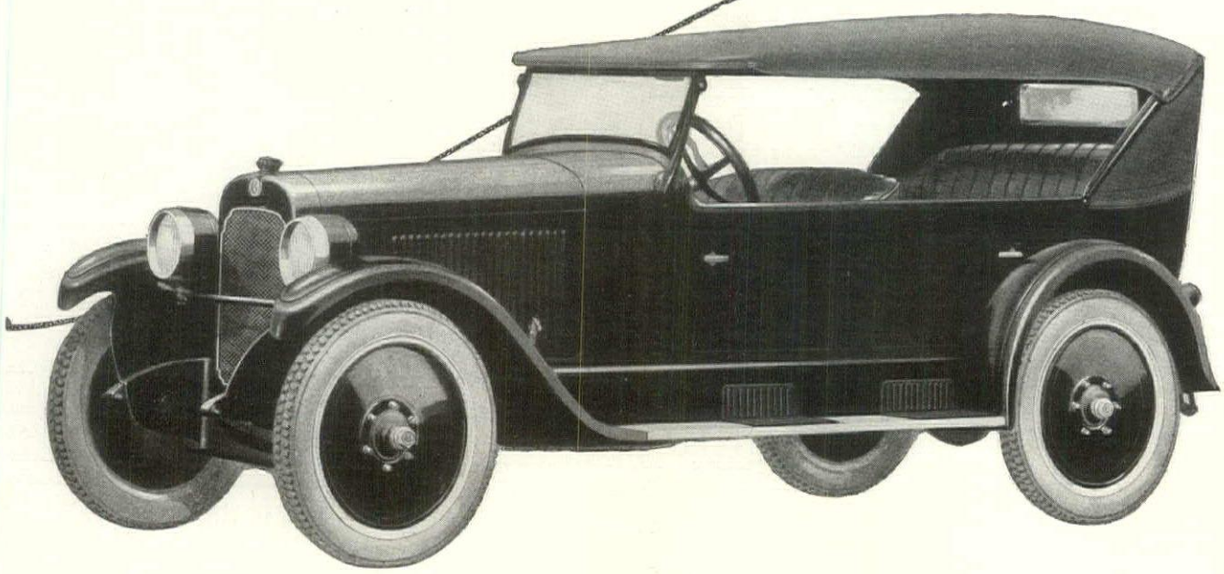


"Representative Cal. Homes"
50 Houses, 7 to 10 Rooms—$1
"The New Colonials"
60 Houses, 6 to 10 Rooms—$1
"West Coast Bungalows"
50 Houses, 6 & 7 Rooms—$1
"Little Bungalows"
75 Houses, 3-4-5 Rooms—$1

SPECIAL OFFER
Send $2.50 for any three of these books and get Garage Folder FREE.

Money back if not satisfied

E. W. STILLWELL & CO.
Architects
726 Calif. Bldg., Los Angeles



A New and Finer Kind of Six-Cylinder Performance

Until you see the New Series Chalmers Six, you can have no real conception of the wonderful value it is.

Until you drive it, you cannot know the great new advance it represents in fine six-cylinder performance.

All the splendid properties for which the six, as a type, is prized, are here developed to a nearer point of perfection.

The power-flow is even more smooth; the blending of cylinder impulses more complete; the acceleration more spirited; and the flexibility is pure delight.

Not only the famous Chalmers engine, but the entire car, has been the subject of a solid year of engineering scrutiny and refinement.

This is, in our opinion, the finest-performing six we have ever built —a car of enticing comfort and surpassing beauty.

Every mile you travel in it confirms again the remarkable value indicated by its size and appearance, and the details of its finish and equipment.

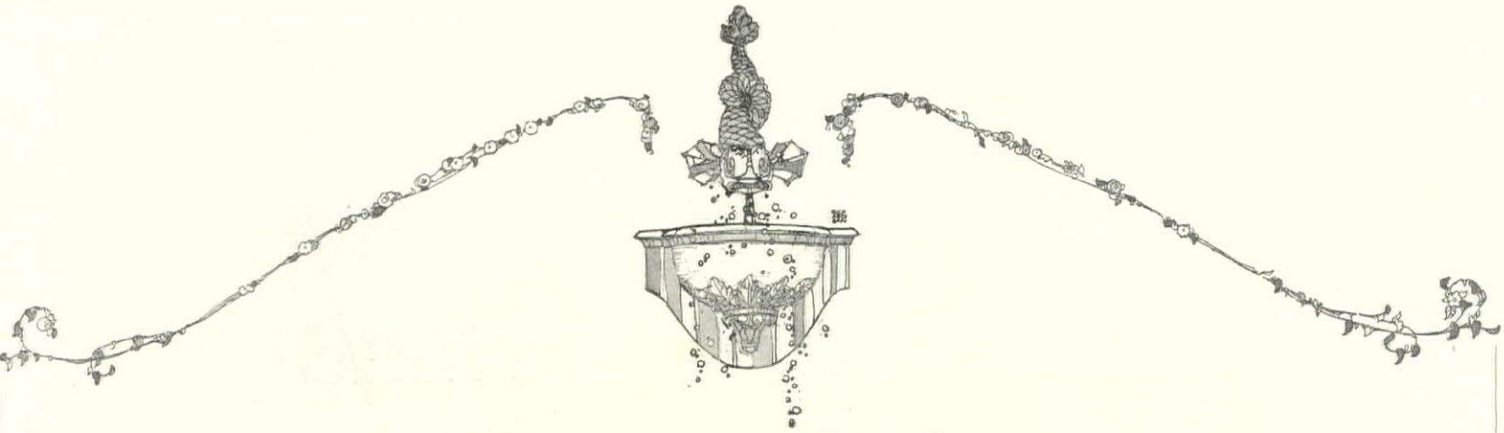
All Models Equipped with Disc Steel Wheels and Cord Tires

Five Passenger Touring Car, $1395; *Seven Passenger Touring Car,* $1495; *Roadster,* $1345; *Coupe,* $1995; *Sedan,* $2295. *These prices f. o. b. factory, Revenue tax to be added*

Chalmers Motor Car Company, Detroit, Michigan
Chalmers Motor Company of Canada, Limited, Windsor, Ontario

The CHALMERS SIX

CHALMERS · MOTOR · CAR · CO. Detroit, Mich. U.S.A.



House & Garden

FURNISHING THE GARDEN

WE Americans have still to learn the art of living out-of-doors, the art of being at home in a garden, of feeling leisure in the presence of a broad stretch of lawn and comfort in the deep shade of trees. Perhaps you'll protest that lots of Americans do these very things. Lots do not, however. Lots of us aren't intimate enough with Nature to feel comfortably at home in a garden. To many of us a garden is a thing to look at, whereas it should be a place to live in.

For years HOUSE & GARDEN has been preaching the gospel of livable homes. Equally desirable is the livable garden. To make it livable certain simple accessories are required. Or they may be as elaborate as you please. It may be only a pillow underneath a tree. It may be a sculptured tea house by the brink of a formal pool. All of these are helps to living in a garden.

This June issue of the magazine (which will come to you in late May) is filled with ample suggestions for making gardens livable. It begins with an article on the summer-house and its place in the landscape scheme. Then there's an essay on eating out-of-doors, a rare delight. Sundials—old ones from England and new designs from American artists—



Because it is devoted to garden living, the June number will show a number of pleasant places to sit

fill two pages. Rock gardens are here, and a remarkable bulb garden and an old garden of Metz in which three centuries of worthy men and women have felt at home. A swimming pool is added, for what garden is there but dreams of having a pool to dip into on hot days. And, to make the measure full, there are two pages of pleasant garden spots in which to sit.

This generous handful by no means exhausts the garden furnishing suggestions. There are pages of games to play in a garden, and a study of garden retaining walls, and something on trees, and still another study of flowers to use singly and in masses.

From this it would seem that there isn't room for other subjects. No fear! Have we not found space for a serious consideration of the Palladian window in house design? For the Little Portfolio and a study of metal lath? For a group of four small houses with plans and a page on tinware in the kitchen? For an old English house of quaint design and an editorial on old gardeners? Yes, space is found for all these.

This June issue, then, will be quite well filled. It promises to be one of the best numbers of the year.

Contents for May, 1922. Volume XLI, No. Five

COVER DESIGN BY ETHEL FRANKLIN BETTS-BAINS

EDITORIAL—MOVING DAY 41

SPRING COMES TO EACH GARDEN 42

INOFFENSIVE PORCHES 43
Costen Fitz-Gibbon

THE HOME OF HORACE HAVEMEYER, ISLIP, L. I. 46
H. T. Lindeberg, Architect

THE SPIRIT OF THE HOUSE 48
Richard Le Gallienne

THE MORNING WIND 48
Harry Kemp

FLOWING ROOFS 49

INSIDE A HOUSE BY THE SEA 50
Flora MacDonald

THE HOME OF MRS. B. F. PEPPER, CHESTNUT HILL, PHILADELPHIA 52

COLLECTING THE COINS OF YESTERDAY 53
Gardner Teall

DECORATING THE TABLE 54
Emily Burbank

CONSIDER THE WATER LILY 56
Harold H. Scudder

TAILORED SLIP COVERS FOR THE COUNTRY HOUSE 58
P. T. Frankl

A LITTLE PORTFOLIO OF GOOD INTERIORS 59

A CLASSICAL COUNTRY HOUSE OF THE 17TH CENTURY 62
H. D. Eberlein

THE CREATION OF HYBRID PLANTS 64
Ralph Mornington

INSECT ENEMIES OF ORNAMENTAL TREES 65
E. P. Felt

THE SUMMER CAMP OF ROBERT HAWLEY, CHRISTMAS LAKE, MINN. 66

VIEWS IN THE GARDEN OF GEORGE EASTMAN, ROCHESTER, N. Y. ... 68

IF YOU ARE GOING TO BUILD 70
Mary Fanton Roberts

SHADOWY CORNERS IN INFORMAL GARDENS 72

THE ADVANTAGES OF THE OIL RANGE 74
Ethel R. Peyser

WINDOW LEDGE GARDENING THE YEAR AROUND 76
Joseph H. Sperry

A GROUP OF FOUR MEDIUM HOUSES 77

HOLLOW TILE AS A BUILDING SAFEGUARD 80
Henry Compton

GAY CHINTZES FOR NEW CURTAINS 81

FURNISHING THE PORCH 82

WICKER FOR THE SUMMER HOME 83

THE GARDENER'S CALENDAR 84

Subscribers are notified that no change of address can be effected in less than one month.

Copyright, 1922, by Condé Nast & Co., Inc.
Title HOUSE & GARDEN registered in U. S. Patent Office

PUBLISHED MONTHLY BY CONDÉ NAST & CO., INC., 19 WEST FORTY-FOURTH STREET, NEW YORK. CONDÉ NAST, PRESIDENT; FRANCIS L. WURZBURG, VICE-PRESIDENT; W. E. BECKERLE, TREASURER; M. E. MOORE, SECRETARY; RICHARDSON WRIGHT, EDITOR; ROBERT S. LEMMON, MANAGING EDITOR; HEYWORTH CAMPBELL, ART DIRECTOR. EUROPEAN OFFICES: ROLLS HOUSE, BREAMS BLDGS., LONDON, E. C.; PHILIPPE ORTIZ, 2 RUE EDWARD VII., PARIS. SUBSCRIPTION: $3.00 A YEAR IN THE UNITED STATES, COLONIES, CANADA AND MEXICO, $3.50 IN FOREIGN COUNTRIES. SINGLE COPIES, 35 CENTS. ENTERED AS SECOND CLASS MATTER AT THE POST OFFICE AT NEW YORK CITY UNDER THE ACT OF MARCH 3, 1879. PRINTED IN THE U. S. A.

New models that are true musical instruments



Victrola No. 240
$115
Mahogany or walnut

Being musical instruments the first requirement is quality of musical performance and in these new models the design is determined by their *musical* requirements. These requirements have been learned through twenty-four years devoted solely to the talking-machine art.

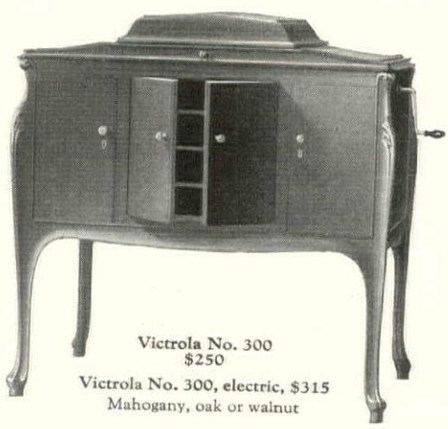
See and hear these new Victrolas which, while new in design, have all the characteristic tone-quality which has made the Victrola pre-eminent.



Victrola No. 260
$160
Mahogany or walnut



Victrola No. 280
$200
Mahogany or walnut
Victrola No. 280, electric, $265
Mahogany



Victrola No. 300
$250
Victrola No. 300, electric, $315
Mahogany, oak or walnut



Victrola No. 330
$350
Victrola No. 330, electric, $415
Mahogany



"HIS MASTER'S VOICE"

Victrola

REG. U.S. PAT. OFF.

Important: Look for these trade-marks. Under the lid. On the label.

Victor Talking Machine Company

Camden, New Jersey

I O V I N G D A Y

However Pleasant and Livable the House May Be, There Comes a Day When One Craves the Change Which Only Altered Furnishings Can Bring

HIS is not going to be so terrible as it sounds, for we have no intention of touching upon moving day as it used to be pictured the comic papers, with humorous caravans sagging under humorous ds; nor again as it is registered in serious minds made tragic by the ses and breakages attendant on each compulsory transit. No. These rds of wisdom refer first to the constant ebb and flow of the furniture-l-ornament-tide, which should, and usually does, take place in every m, until the exact article has grounded itself in the exact spot ere it appears most useful and to the best advantage. And second those two periods of radical change known to old-fashioned wives "putting up" the house in spring, and "taking it down" in autumn. thing can be more important in any man's home-life than a thorough lerstanding of the philosophy and propriety of these events.

WE are told that the Japanese, knowing how soon custom stales the eye's appreciation, bring from their art treasures only one beau-l object at a time and make it the most conspicuous thing in the room il an hour arrives when it has ceased to attract adequate attention. ey then replace it with another object which will, in its turn, hold ir interest for certain allotted days. We are not so highly simple in e and requirements, and most of us love to fill our dwellings with as ch furniture as we can thread our way through, and all the pictures l ornaments we can afford. But even we realize that, after a little ile we no longer take in the effect of the arrangements we have ated; that we cannot be sure whether this or that particular piece n its most befitting position because it is so long since we have con-ered it in any other. That is the moment to begin moving things ut, trying them here and there tentatively; leaving them, even, for ay or so till one is certain whether they are right as they were, or nt as they are, or not right at all in either place.

OME people (considering women to be people) have a mania for moving furniture, just for the sake of moving it. But this ot the purposeful effort we had in mind, the effect with a definite end view. This end is, little as one might suppose it, an ultimate bility of sorts. Not the stability of fixed inhibitions, but of comfort-e, gradual decisions arrived at by intimate tastes and habits. For tance, in almost every room there is some piece of furniture which has go in some especial place for some especial reason. Take the general ng-room, where most of the family activities go on; if writing is done re the desk or writing table will naturally gravitate toward a window, l, for choice, one where the light would fall upon it from the left. at settles that, and so makes one stationery (with no pun intended) nt. Then, if there is a fire place—which is devoutly to be desired he grouping of furniture about it is also the result of natural vitation, plus family usage. Two large arm chairs, or one large n chair and a sofa, at right angles to the chimney-piece, are usual, h tables convenient for light, for books and papers, for work—for, in t, anything one likes—pleasantly adjacent. But infinite varieties chairs and sofas and tables may be tried to see which best fit the ces and the persons. And the right ones may this minute be re-ing meekly in the garret, or shirking hard work in the least evident the spare bedrooms.

THE spring "putting up" is an excellent time for changes. Hallowed by custom, borne with by the man from boyhood, the process may be resented but the result will not create real rebellion. And if a different chair take the place of the hardy old horse-hair monstrosity, whose under-stuffing has long been protruding in a very indecent way, that chair's most constant occupant, whoever he may be, can be placated by hearing that it has gone to be mended, and he will undoubtedly become so attached to the ease of his new seat that he will care very little if the old one never comes back. In like manner when the ugly magenta-and-gold draperies come down from the windows, where a past generation's intermediately questionable taste placed them, the clear, sweet colors and flowery patterns of summer chintzes may so enchant the eyes of even the most conservative that when autumn arrives their taste will have turned against the darker curtains altogether.

CITY houses in their spring outfits can be very attractive. No one need pity the working members of any family whose lot is cast among such pleasant surroundings as the modern wife and mother leaves behind her when she takes herself and the children to the green country or the blue sea. The frosty, glistening white of glazed tarleton covers on mirror and picture (all neatly cut, fitted and taped) seems to cool the features of the face or landscape underneath and, while it keeps vagrant flies out, allows just the proper amount of light to filter in. The smooth surface of the gay calendared slip-covers almost invites happy wriggling. The heavy curtains in light striped linen bags, or those bright flowered summer curtains which have taken their places, make the room almost as cheerful as a garden, over whose bloom the bowed shutters and stretched awnings cast a shade as comfortable as that of imagined trees. Electric fans throw well-regulated breezes from any angle. The canary in the old cook's window, opening in the court, sings as sweetly as any bird on the bough. The whole house welcomes the tired business man in the late afternoon, with an apparently new and deliberate coquetry.

THEN, when in its appointed time, autumn comes rustling along, with a well sunburned face and blown hair, the chintzes will have become too slippery, the white gauze picture-and-mirror-covers too ghostly, the cutains limp and the flowers faded, the electric fans things to shiver at, the cook's canary inaudible because of closed windows, the clocks begging to be regulated, the telephone calling for prompt attention and plenty of it, and the master of the house longing to step down from his lonely height and be again the husband and father. This is when terrible old traditional truck disappears, and discarded heirlooms suddenly come to light, and expensive new stuff works into view upon furniture denuded of its innocent summer dress, and inquiries are met with the artfully truthful reply "Why, my dear, it's been on for months. Haven't you noticed it?" Antique shops and auction rooms send home the things that have tempted the householder where the householder longed to be tempted, and the delight of opening and arranging them is greater than the fear of not finding a satisfactory explanation of their presence. But this is all as it should be, and no more than any self-respecting domicile is entitled to expect in the way of healthy variety.





Healy

SPRING COMES TO EACH GARDEN

Spring comes to each garden after the fashion of that garden—when planted to crocus, the delicacy of crocus; when to narcissus, their scattered stars and golden clouds; when to peonies, the masses of their white and creamy pink and red. Each in its own way is incomparably beautiful. But for delicate shadings, for unexpected chromatic climaxes, mass iris and late tulips together. In this garden, on the estate of H. J. Haskell, at Cossart, Pa., the reaches of an old orchard are given over to this spring display. Marian C. Coffin was the landscape architect who planned it



INOFFENSIVE PORCHES

In Order to Avoid the Mistakes of a Past Generation, the Modern Porch Must Be Either an Integral Part of the House Or Applied as a Decoration

COSTEN FITZ-GIBBON

THE possession of a porch is often an obsession. One wants a porch in the same sort of way one wants a sewing machine. "No household complete without one!" Time and again it happens that those who insistently clamor for porches do not use them after they get them, and, under the circumstances, they derive their sole satisfaction of ownership from the consciousness of having a thing of exactly the same sort that neighbor Smith or neighbor Jones has. Meanwhile, in all likelihood, a house otherwise good in design has been spoiled merely to gratify a whim.

The writer holds no brief either for or against porches. What ensues is merely a plea and a suggestion for a little more sanity and a little more imagination both in demanding them and in designing them.

A properly designed porch can be both useful and an element of grace in the composition of which it forms a part. The two cardinal faults of the average porch—faults which make it a distinctly objectionable feature—are (1) that it darkens the rooms whose windows come beneath its roof line and (2) that it bears no essential relation to the general mass of the house to which it is attached. For this unhappy condition both clients and architects are, in a measure, somewhat to blame.

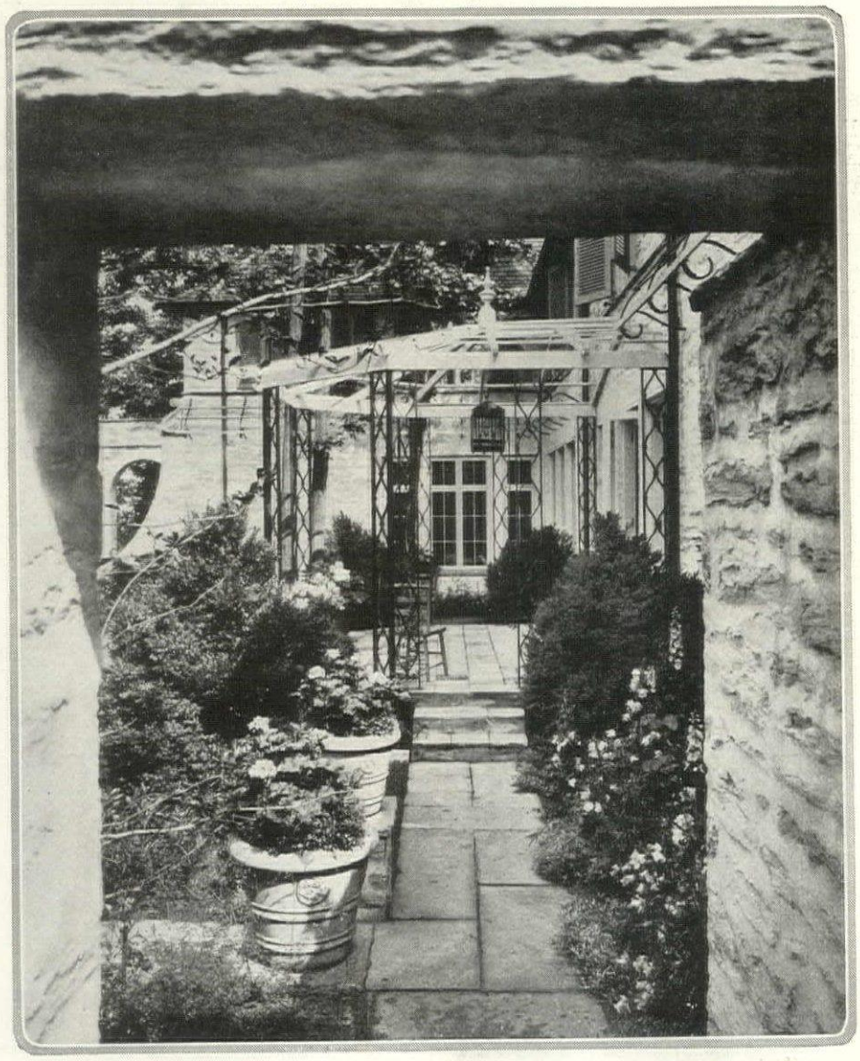
The two prime requirements for a well-devised porch are that it should either (1) form an essential and integral part of the general composition of the house, or (2) constitute an obviously decorative factor, applied to the house by way of embellishment. In other words, it should be frankly structural or frankly decorative while also serving a useful purpose. It is perfectly possible to fulfill either or sometimes, indeed, both of these requirements in designing a porch, but any porch is doomed to failure, so far as architectural considerations go, when these fundamental requirements are ignored.

While the porch is often regarded as an attribute of American domestic architecture, it is not as a matter of fact, by any means a feature of American invention or monopoly. Centuries before the porch was dreamed of in America it existed as a fully recognized and much employed domestic institution in Italy. It was the loggia and the portico. It was a natural response to the desire for an open air place in which to sit or walk with a shelter overhead. Climatic conditions made it both desirable and necessary.

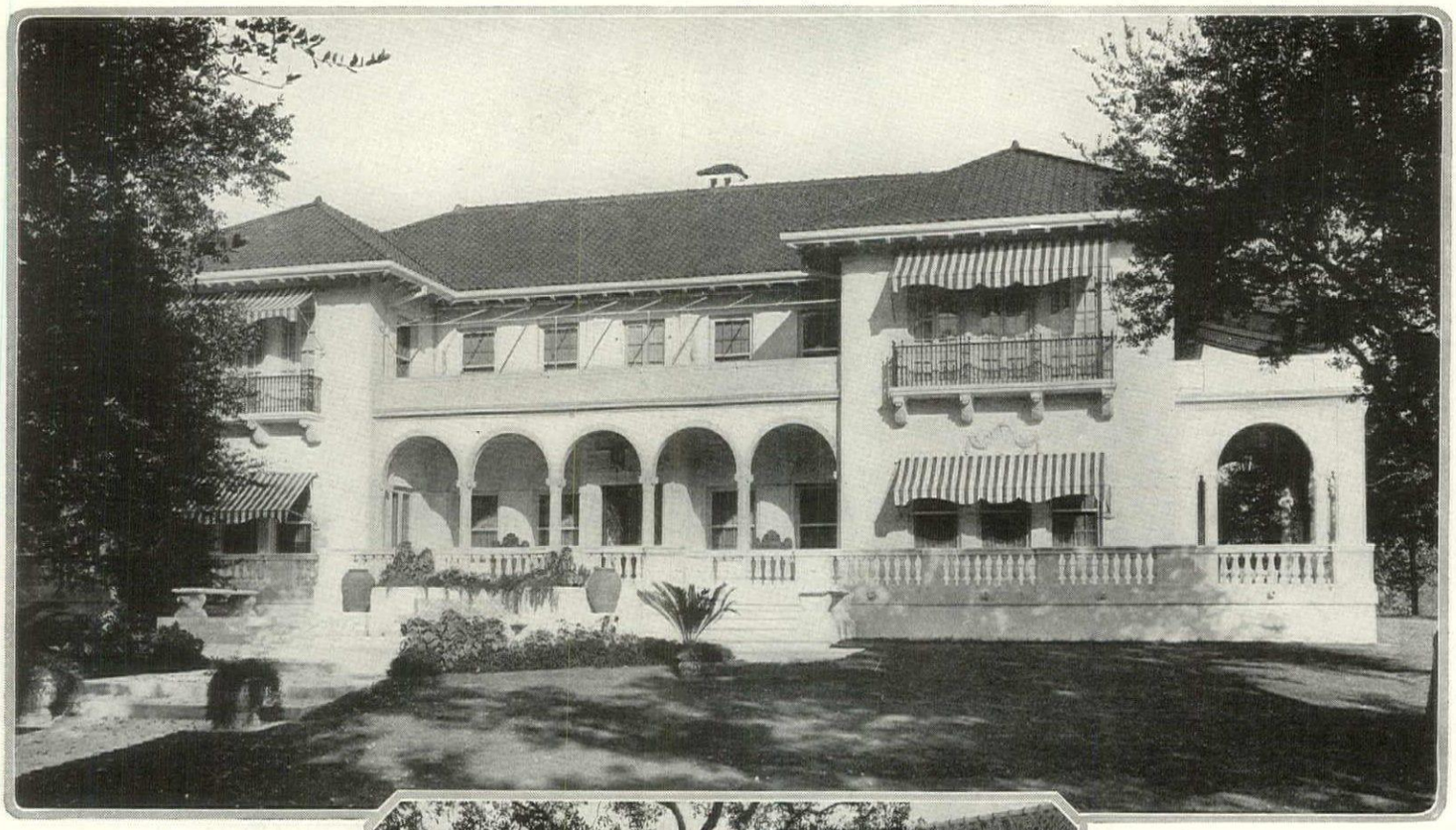
In the same way summer conditions in America made a covered open air space an acceptable feature, and the response came—chiefly in the 19th Century—in the multitude of flimsy and ugly porches which reflect the materialism and lack of imagination characteristic of that age. Had the porch-mad builders of the 19th Century been willing to profit by the experience of those that had solved the same problem in previous centuries and in other lands, we might have been spared a little of these blemishes which today deface so much American domestic architecture.

To realize that the average porch can be made a pleasing feature one has only to examine a few examples in which the porch embodies successful planning.

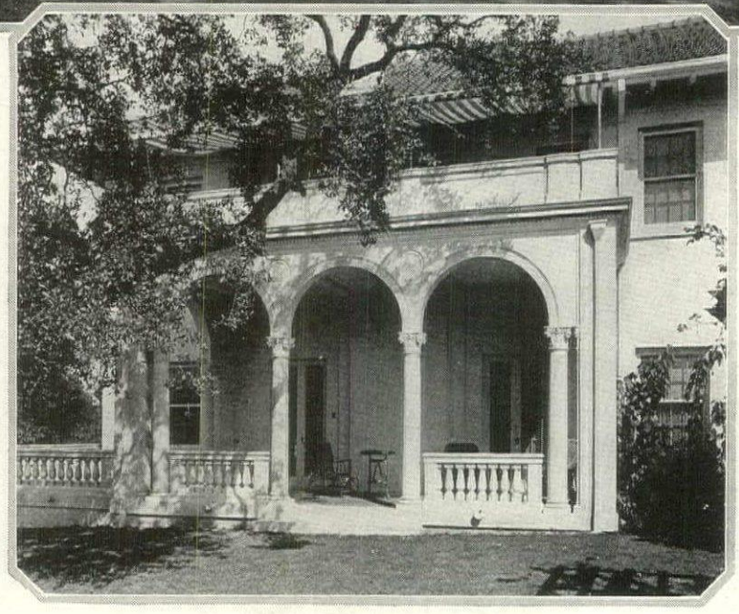
To go back to the 16th Century, the house at Montagnana in Italy supplies an example in which provision is made for a loggia, as an integral and necessary part of the plan. The structural quality of the loggia satisfies the eye and, at the same time, gives a covered outdoor space without any of the objectionable detached appearance of the casual attached porch, and without



The combination of decorative black wrought iron standards and white wooden open roof creates an atmosphere of airy grace in this porch on the residence of Mrs. B. F. Pepper at Chestnut Hill, Pa. A stone floor continues the stone of the garden paths. Willing & Sims, architects



When the modified form of Italian architecture is used, the Italian loggia is a perfect solution for a porch. Here it connects two wings of the home of W. C. Rigsley at San Antonio, Texas



In the Rigsley house, the design is balanced by terminal loggias or covered ends of the paved terrace. Their arched openings and balustrades are beautifully proportioned. Atlee B. Ayre was the architect

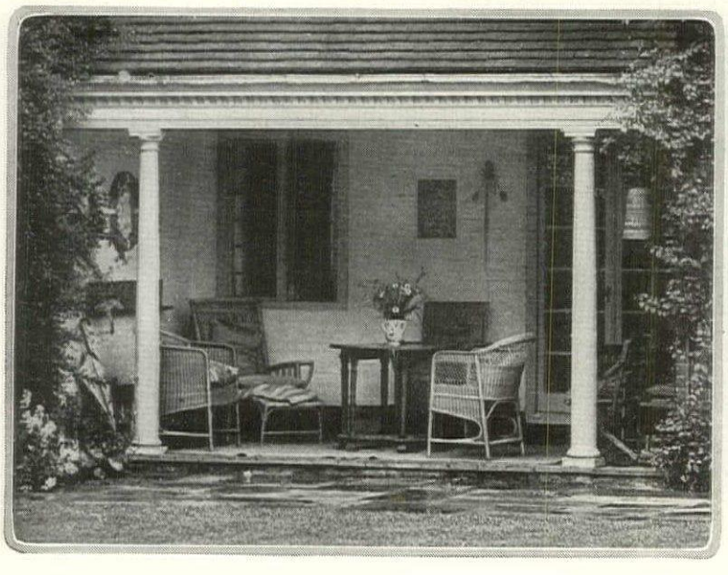
depriving the rooms of light.

Passing from Montagnana in the Padovana to Shirley on the James River in Virginia, we find an interesting contrast. Shirley was built when the Palladian influence, well established in England through the agency of Inigo Jones and his successors, had become a national tradition and not only architects but clients thought in Palladian terms. And, of course, what was true of England in this respect was true of the Colonies as well.

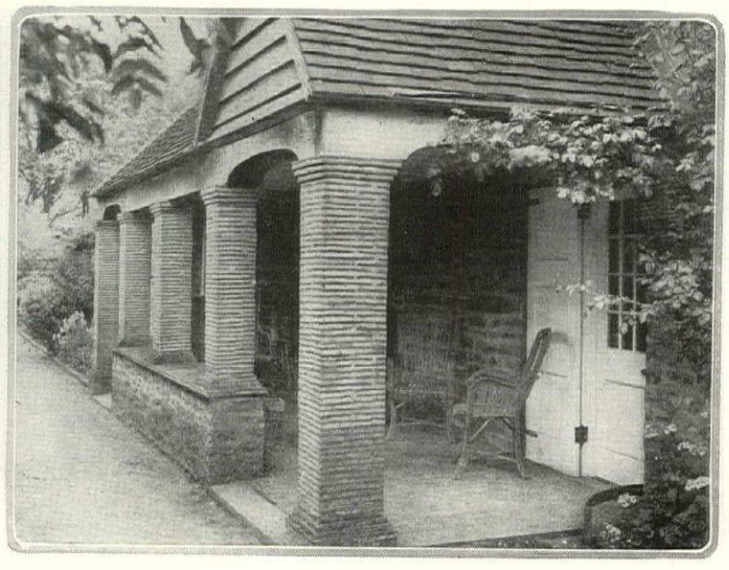
At Shirley the porches on both the land and river fronts constitute essential and indispensable features of the design. While attached to the main structure they do not in the least convey the impression of being irrelevant appendages to the body of the house.

For the most part, people in

As we learn to appreciate privacy, the more do we see how utterly wrong were those porches of an elder generation, placed on the front of the house, in full view of all passersby. Today the porch is an intimate, secluded spot off the garden and away from public gaze, such as this one below



The porch is a place of transition between the house and the garden and it should have some of the characters of each either in its design or its furnishing. In the country house shown below, the porch is on the garden level and yet the inclusive roof makes it a part of the house



America found existence without porches perfectly comfortable until the latter part of the 18th Century or early in the 19th. Such verandas as were found prior to that time were more or less akin to the stately portico type exemplified at Shirley, or else were little more than the modest porches intended to shelter front doors and provide a place for settles or forms at each side of the entrance.

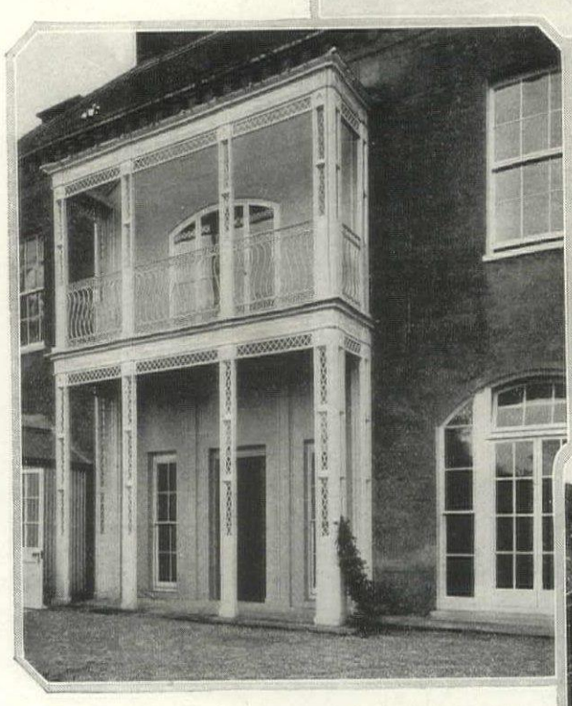
Had these veranda ideals prevailed, there would have been no cause for criticism. Unfortunately, the mechanical and materialistic era, ushered in about 1840, saw the rapid multiplication of porches of a type apparently conceived by debauched and poverty-stricken imaginations, a type that reached the culmination of its hideosity in the jig-saw and gingerbread creations of the late General Grant period and the "Eighties."

The veranda that is added to the house as an ornament offers still another problem. It would be difficult to find a more apt illustration of this genus of veranda than the instances supplied by Mogerhanger House, designed by Sir John Soane early in the 19th Century.

(*Continued on page* 112)

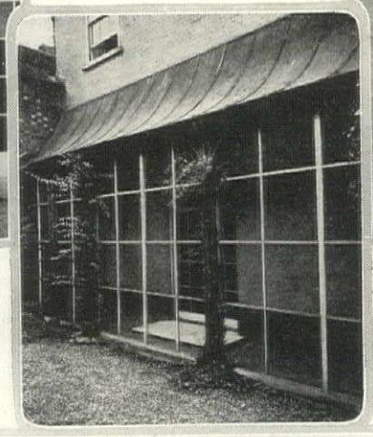


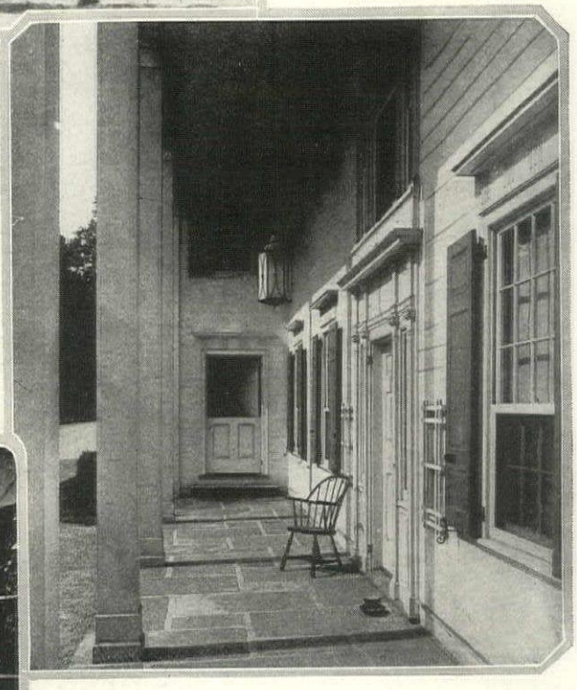
In this small house at Montagnana in Italy, the loggia is an essential part of the structure. Plenty of light is given the inside rooms



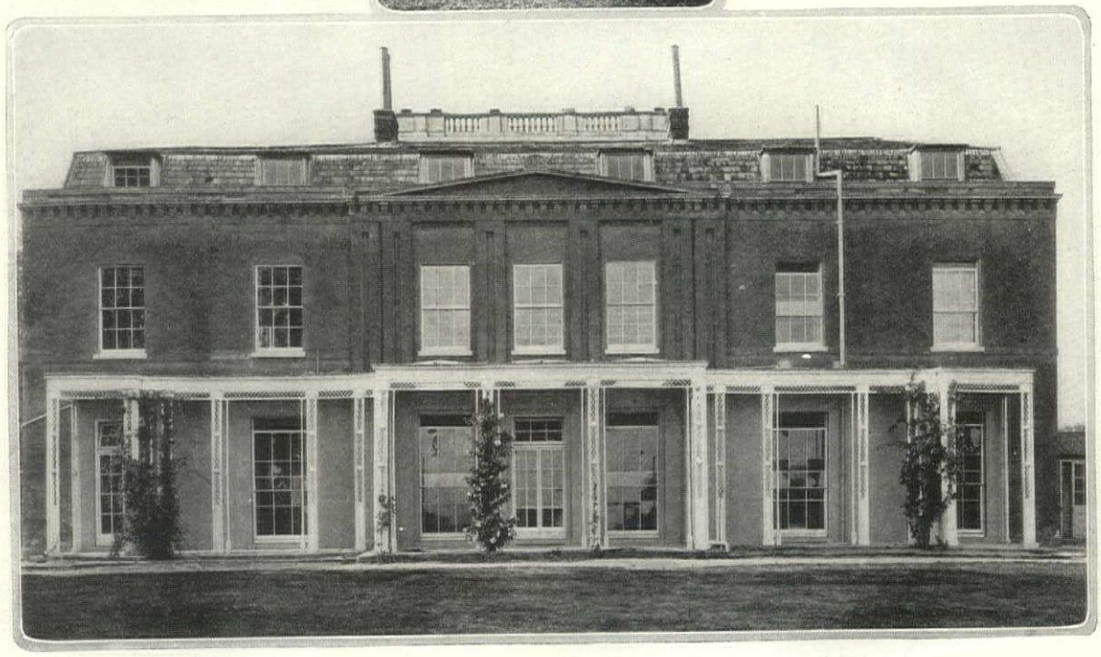
While obviously not included in the mass of the building, this double porch on Mogerhanger House in Bedfordshire is an essential part of the composition, a graceful ornament to lighten the façade

The "Chinese taste" is reflected in the roof design of this shallow porch. This is a condition where a porch is a distinctly decorative feature





The veranda is a feature of Southern Colonial architecture. As shown here, it is made by recessing the middle unit of the house and supporting the roof on tall columns. Dwight James Baum, architect



Otherwise stodgy and uninteresting, this façade of Mogerhanger House is made quite unusual by the delicate lines of the porch



Gillies

The picturesque texture of weathered whitewashed brick broken by stone door and window frames can be seen in this view of the north or entrance front. Heavy slates have been used for the roof. Upon these simple elements the design depends for much of its effectiveness

THE HOME OF HORACE HAVEMEYER, ISLIP, L. I.

H. T. LINDEBERG

Architect



A long, low roof line has been created by attaching the garage and servants' quarters to a wing of the house. A brick wall separates the service yard from the entrance. An unusual feature of this front is the square stair well

The south front faces a terrace enclosed by wings extending on each side. Three shallow bays, the height of the house, give this façade the relief of curves. Contrast is also seen in the white chimneys above the slate roof



THE SPIRIT OF THE HOUS

Old or New, in Romantic Surroundings or in Dull Environments, Each House As It Is Lived In Receives the Impression of Those Who Dwell There

RICHARD LE GALLIENNE

MOST of us have dreamed the dream of the ideal house. Most of us have looked into the beloved's eyes at twilight and talked softly with her of the house soon to be the home of our love, fondly planning together all its "O so sacred" details—Darling! Our home at last, together for evermore! Let theorists rail all they will at "the domesticities," but after the first kiss, the *domus* is the first thought. Love's refuge from a sordid world. The hermitage *à deux*. The nest—and the young voices at dawn. Most youthful dreamers are less fortunate than the birds. It is seldom given to them to build their own nests—blithely fetching and carrying its various materials to and fro through the singing spring sunshine—"any straw will help a nest." Only lovers especially favored of fortune can build their own houses, according to their dream, the dream, that is, of themselves embodied in a house. Others must be content to choose among those already built that which comes nearest to their dream, or is most capable of being adapted to it.

And for these dreamers there are many business-like persons smilingly on the lookout to cater to their needs: house-agents, house-decorators, and house-furnishers, expert in interpreting and fulfilling such dreams—after a fashion. But these well-intentioned purveyors are too apt to impose either their own tastes, or the modes of the moment on all but those who have very definite formative ideas of their own. Hence the depressing colonies of "artistic" homes—with "pergolas" and other meaningless, out-of-place, architectural toys and decorations. Doubtless, many of these obliging persons are persons of taste, but what is needed in a house is not that it should reflect the taste of its architect or decorator but the taste of those who occupy it. Otherwise it is not properly speaking their house.

It is commonplace how often one feels this in the great houses of the newly enriched. How absurdly incongruous it is for them to dwell among their rare tapestries, to lie in their carven, canopied four-posters, how meaningless for them their picture gallery of old masters, their library, with missals under glass cases, and all the exquisite and storied bric-à-brac which they have merely bought, but can never possess. They might as well live in the Metropolitan Museum, and call it their home. And, of course, in their hearts they know it, and are just as uncomfortable as their visitors. Their house itself may well have a spirit of its own, a spirit which one can imagine haughtily aloof and lonely from these trespassers upon its harmony, the delicately contrived harmony of the artists who have brought it into being. Some day one may come and make it his own; but, till then, the house is empty, for all its noise of feasting, and its menials by the score. The halls of Balclutha are not more desolate.

For many the dream of a house goes no further than comfort. It begins and ends in open plumbing. And who shall gainsay them? At least they do not offend by affected estheticism. They are "themselves," and they and their houses suit each other. But there are others who need an appeal to their imagination in their dwelling-places, and who, if needs must, gladly support a measure of physical discomfort in preference to the spiritual discomfort of living with ugliness and vulgarity. Those who have been to London will recall that quaint row of gabled Elizabethan houses in Holborn known as Staple Inn. Its massive oaken doorways are still guarded by an Elizabethan porter in gold lace, and locked and bolted at night like the gates in *"Macbeth,"* only to be opened to the knocking of its inmates, "gentlemen of the Inns of Court," or literary and artistic folk who value the romance of such surroundings. Within, a London pla tree leafily murmurs over the cobbled court, the little low do ways give entrance to rickety staircases winding up to the seve "chambers," within which the old floors, sadly out of plur are wave-like under the tread. Here are no electric lights, a no running water. You go to bed by candle-light, and must draw yo water from the pump in the courtyard below. Yet those who feel spell of the past that broods over all would not have it otherwise, a gladly accept such discomforts, even relish them, for the sake of imaginative satisfaction which is theirs. The old place has a soul w which they delight to dwell in communion. Insensibly this soul distinguished antiquity refines and tranquilizes them, is a gentle form tive influence pervading their lives. For, if the house in which we li after a while, takes the impress of our characters, it is even more i portantly true that it influences us in return. And there indeed is the i portance of our choosing well the house in which we live, that its spi should be the right spirit; for all houses are in a sense haunted, haunt by influences benign or maleficent, which gradually make their ma upon us. It is well for the enforced prisoner to say that stone walls not a prison make, but it is only from strong necessity, or through co scious effort, that we can thus overcome the influence of our surroun ings, and, so long as we can choose them, it is but common sense to choo those which demand no such effort. You may think bright thoughts dark rooms, but they will come of themselves in rooms filled with su shine; and you may dream grandiosely in narrow rooms, but desig large and lofty breathe the better in surroundings of space and heigh

I remember once walking with Oscar Wilde through the immen salons of the London house of a certain English nobleman. Wilde soul, with his love and need of magnificence, seemed to expand as gazed about him. "Ah!" he said, drawing in the lordly splend spaciousness as though it were the morning air, "this is how a gentl man should live!" Gentlemen have usually to content themselves wi humbler measurements, but Wilde's meaning was clear and righ What Mrs. Meynell has called "The Spirit of Place" is a very real an potent thing, and it is dangerous to ignore it. To live in a house out harmony with itself is like living with bad music, and those who bui new houses should be as careful of their lines as a poet of the lines his sonnet. "Those who live in jazz houses . . ." as a certain livin wit might have said; and I leave him to complete the sentence.

Of course, in certain old houses, there is that "delight in disorder which Herrick admired in Julia's petticoat; but, as in the case of th tempestuous garment, the disorder is more apparent than real. Thoug not "too precise in every part," when con sidered understandingly, it will be seen tha such "disorder" as comes of varieties o architecture, additions here and addition there, merely marks the stages of an organi growth, which, Time and Nature helping have resulted in what one might call a historic harmony. Indeed the beauty o these old places seems to belong as much t nature as to art, and cannot be measured by the same canons as we apply to new born buildings.

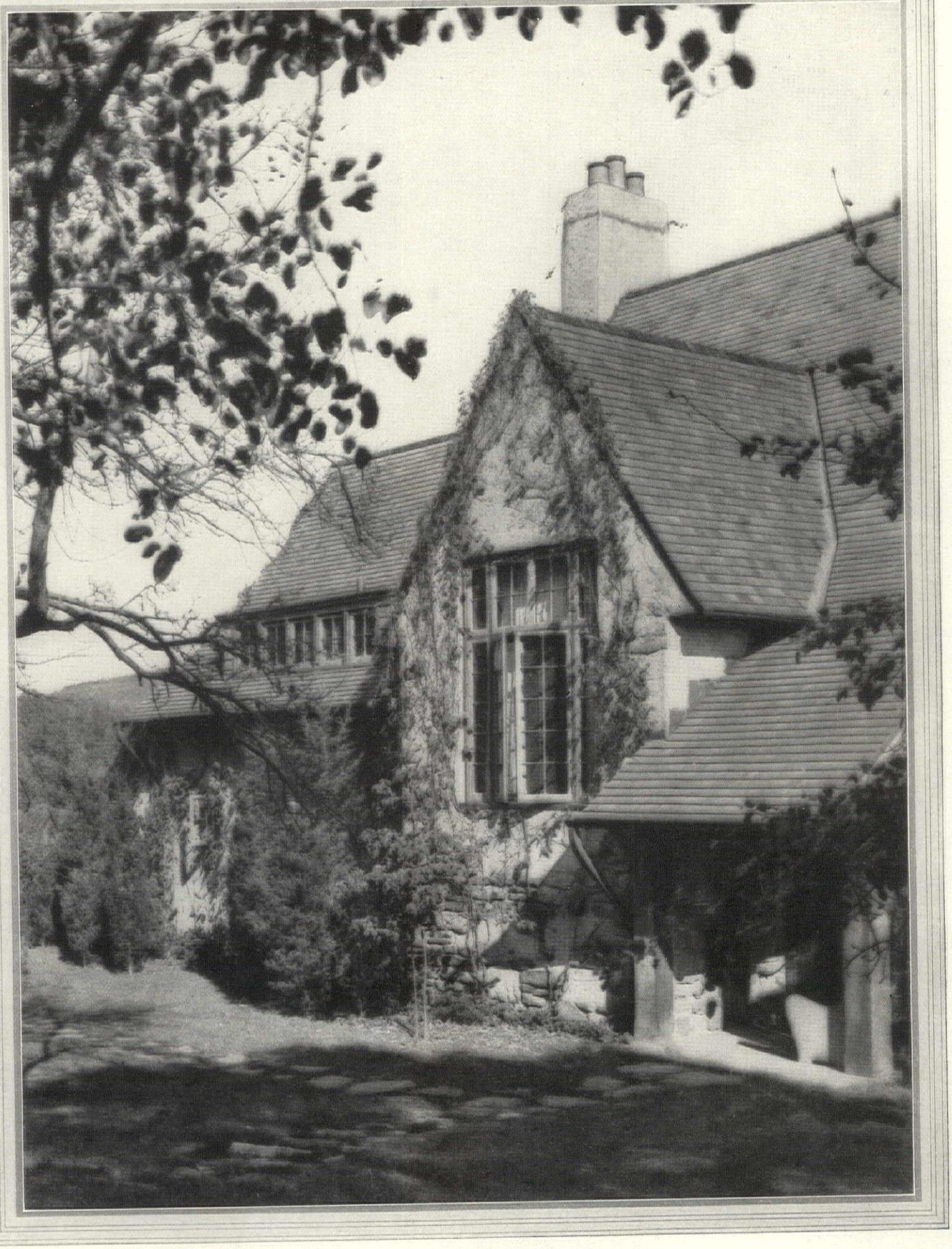
The charm and beauty of old houses is, o course, a commonplace. It is scarcely neces sary to add to the immense volume of thei praise. To live in an old house is, so to speak, one of the standardized dreams. For some an old house best solves the problem of combining livableness with romance Yet there are others not without romance or taste, who, irrespective of comfort (and

(*Continued on page* 102)

THE MORNING WIND

The silver-burning, latest star
Precedes the widening rose of morn;
A hushed, expectant wind has waked
And walks abroad among the corn;
Gently suspiring as in dream,
Unseen but by the way it weaves,
A hushed, expectant wind awakes
To walk among the morning leaves.
Newness has perished from the moon;
The silver of the stars has thinned;
The sun has grown a common thing—
But not this little, tip-toe wind!
When Eden was removed from men
God, past computed measures kind—
Things we can never guess He took—
He left the morning wind behind,
To whisper still of Paradise
And lovely, dim-remembered days,
The little wind that went before
The Feet of Him down Eden's ways!

—HARRY KEMP.



Clark

FLOWING ROOFS

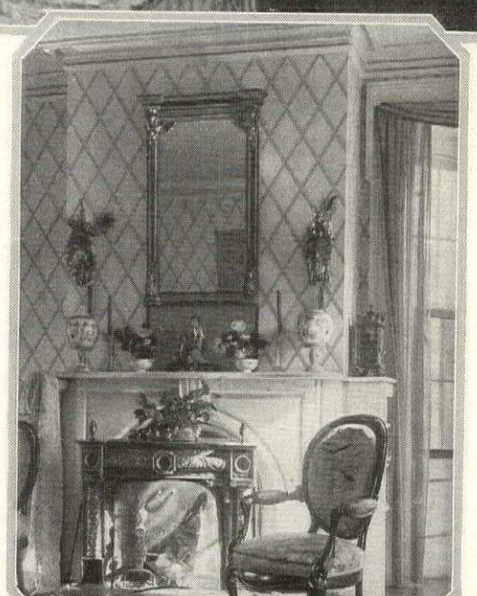
The roof is the fluid element of house design. It can sweep down, as this sweeps, from a high peak, to cover the lower level of the wing and to shadow the open porch. Midway stands a gable with the roofs turning each side of it, the way a boulder in midstream divides the water. Contrasting with these flowing roofs are the more reposeful parts of the design—the wall surfaces softened with vines, the stair window with its long casement, the range of little windows in the wing at the left. These are some of the factors that lend charm to this north front of the home of Miss Mead at Lake Waccabuc, N. Y. H. T. Lindeberg was the architect who planned the house

INSIDE a HOUS BY THE SEA

FLORA MAC DONALD



This comfortable living room has gray-green walls, a good tone for seashore houses. It is in the Cape Cod home of Wm. P. Halliday, Esq. Flora MacDonald, decorator



In another house by the sea, the sun filters through thin green curtains onto walls done in a cool gray lattice paper that breathes the spirit of outdoors

A bedroom in Mr. Halliday's house has interesting furniture, its painted flower decoration taken from the design in the chintz window hangings



THE house close to the sea requires qu a different treatment from the one amidst rolling green meadows or ove hanging trees. There is so much color a vitality in the surrounding scenery that more or less cool and subdued effect is one be sought after when furnishing a seasho cottage.

This does not mean in any way that t house should be lacking in color interes But when one comes in from the glare of s and sun, an inviting interior done in restfu grays, blues and greens is more satisfacto in the long run than the more vivid tones effective in rooms devoid of the proper amou of sunlight.

An example of this is to be found in picturesque house on the shores of Cape Cod— an old house remodeled but one in which th architects managed to preserve much of th old-world atmosphere.

As one enters the comfortable living roo lined on three sides with windows, the im pression is one of space and cheeriness, colors artfully blended and unobtrusive, comfortable furniture that has been lived with of window draperies that permit as much se air as possible to enter in. In fact this is th key-note of the house—an appreciation o sunlight and air.

It is a wise practice in seashore houses t have the walls either painted or tinted, as th long spells of dampness are hard on the ver best of wall papers. Green, gray-green French gray, putty or tan are good colors counteracting as they do the strong play o sunlight. In this house cool gray-green wall are an excellent contrast for the draperies o block print linen in a design of birds, bas kets or gay flowers and garlands, soft greens rose and blue predominating on a natural back ground. Sun-proof fabrics, and those not af fected by the moist salty air, casement cloth hand-blocked cretonnes and linens of whic there are many charming designs, should be used as far as possible in houses at the sea shore.

As the most striking note in this Cape Cod living room is provided by the hangings, balance and distribution of color have been achieved by introducing more of this printed linen in the cushion of the willow chairs. The davenport and wing chair are done in a two tone fadeless fabric much the same shade as the background of the linen.

Furniture and accessories of the Colonial period have been selected almost entirely, among which are several rare old pieces.

A lamp shade made of material resembling cheesecloth in quality is embroidered in worsted flowers. The others are of parch ment painted in a design suggested by the printed linen and provide the necessary touches of color. Lamp shades in seashore houses should never be frilly affairs that become limp and bedraggled looking at the first hint of dampness.

The floor coverings throughout the house , for the most part, loosely woven rugs, in ıt color, an excellent shade to defy foot nts and the constant tracking in of sand m the beach.

In the dining room, the same cool gray-green lls catch and reflect the long summer sun-s. Here the hangings of Chinese Chippen-e linen, somewhat larger and bolder in de-n than that used in the living room, are ightful in coloring. On a ground of natural en, figures in gold, orange, lavender and en bring enough color contrast into the room keep it from being monotonous in tone. e furniture, delicate in design, has the ded virture of comfortable and practical es. Painted a low-tone green, it carries the e easily from the background to the restful ıe of the floor covering. On the walls, a v rare old prints in narrow black frames e highly decorative, their quaint scenes add-g much interest and life to an interior of ıs kind.

Bedrooms in a house of this character should extremely simple, delicate in coloring, with rniture of some unusual, interesting design. The main bedroom in this little Cape Cod ttage is quite delightful in its simplicity, the ief feature being the furniture of unusual sign and ornamented with a quaint motif om the material of the overdraperies. These re of chintz in a charming pattern of baskets flowers broken by a blue stripe. The nar-ow cornice has a shaped valance below out-ned in blue fringe. Blue is also used in the nbroidery on the boudoir shade above the resser. Old rag and hooked rugs here add ieir soft, faded colors, and a quilted bed-ɔread is quite in the spirit of the house as is ıe old glass lamp, a relic of early American ays.

In furnishing the sunroom, the chief dif-iculty lay in subduing the light. To this end ray and blue cretonne was used for over-raperies and upholstery, the under curtains eing of casement cloth in champagne color dged with deep blue fringe. Painted willow urniture in a silver-gray tone was cool look-ng against the natural stucco walls and com-ɔined well with the Scotch rugs much the color ɔf dust.

The enclosed veranda from which one atches glimpses of the sea through tall pines, I tried to keep as simple as possible, the un-ɔretentious rush rug and dark stained wicker furniture striking notes in key with the sur-rounding landscape. Gay pillows here and there are the only color notes introduced.

All throughout the house the atmosphere is one of extreme simplicity. Over-elaboration of any kind has no place in a seashore house where furnishings in addition to being decor-ative must be extremely practical to withstand dampness, sun and the sand that persists in get-ting into every house anywhere near the ocean. Restful colors should be combined in an inter-esting manner, the cool tones given first prefer-ence. Fast color linens and cretonnes make the best hangings and if colorful painted furniture is used and one tone durable rugs the rooms are bound to be both restful and charm-ing, with marked personalities.



Gray-green walls and interesting furniture painted a darker shade contrast pleasingly with the chintz hangings in a Chinese Chippendale design



Valances of gold silk edged with coral pink, apple green furniture and a profusion of summer flowers bring color into this little Victorian living room

When a porch is bounded by a flower garden and the sea it is advisable to keep the furnishings simple in design and low in color tones

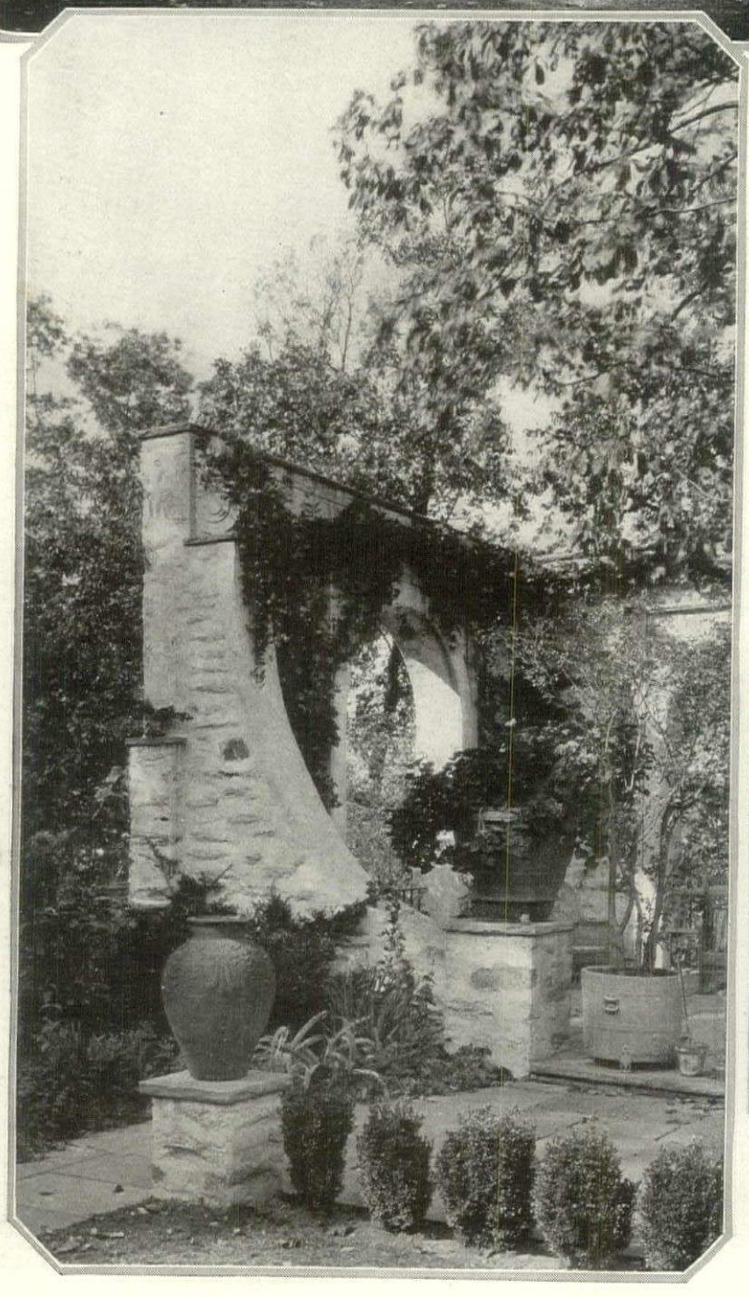




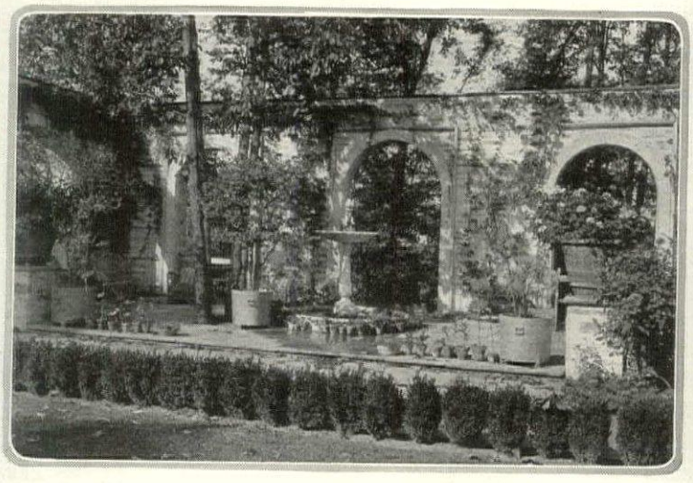
The house and garden walls are built of local stone covered with a cream colored whitewash. This wall surface is enriched by a decorative porch of wrought iron and wood and by iron and wooden trellises projecting from under the second story windows and curving downward

The HOME *of* MRS. B. F. PEPPER, CHESTNUT HILL, PHILADELPHIA

WILLING & SIMS
Architects



(*Left*) *The dining room terrace ends in a high wall broken by an arched opening and curved to meet the pavement. A lattice supports vines*



The open loggia or terrace is paved with stone and treated in the Italian manner, with a fountain in the center and a multitude of potted plants



From the last quarter of the 6th Century A. D. comes this fragment of a coin girdle. It belongs to the Byzantine period and is artfully wrought in gold with inserts of gold coins

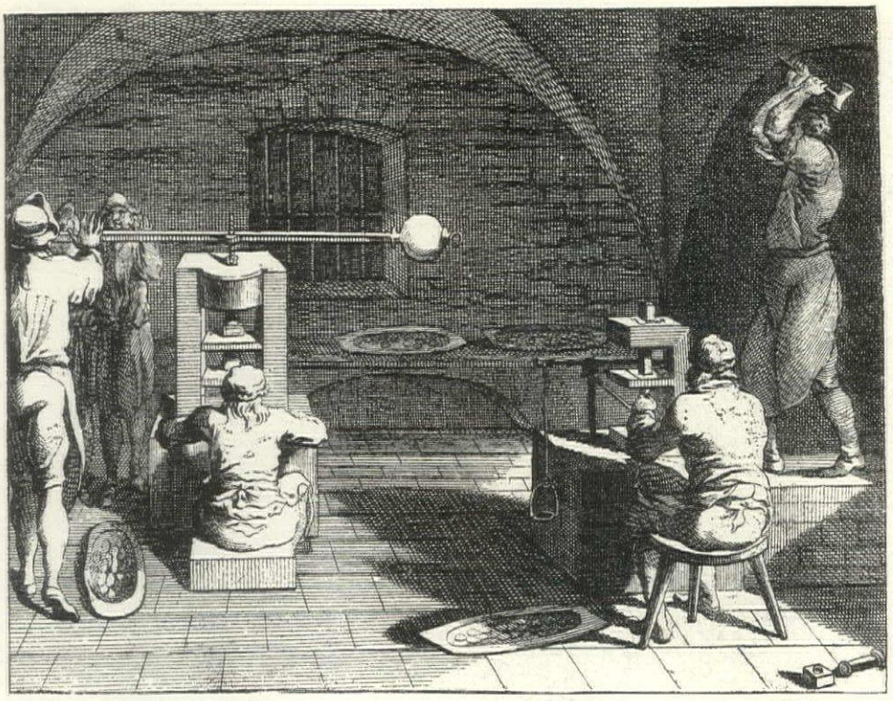
COLLECTING THE COINS OF YESTERDAY

There Is More to the Enthusiasm of the Numismatist Than the Mere Accumulation of Strange and Pretty Moneys

GARDNER TEALL

ITH coins, as with books, china, almost every collectable ng, it is not merely the ing together, hit or miss, a vast number of speci- ns that counts. It is, in- d, the intelligent exer- of the acquisitive pur- that broadens one's cul- e and leads one to that er pleasure known only those whose hobbies are nessed with knowledge. n Robert Louis Steven- 's "Travels with a nkey" there appears this sage in the chapter of Night Among the es": "I had been most spitably received and nctually served in my en caravanserai. The m was airy, the water ex- llent, and the dawn had led me to a moment. I nothing of the tapestries the inimitable ceiling, r yet of the view which I commanded m the windows; but I felt I was in some e's debt for all this liberal entertainment. d so it pleased me, in a half-laughing y, to leave pieces of money on the turf I went along, until I had left enough my night's lodging."

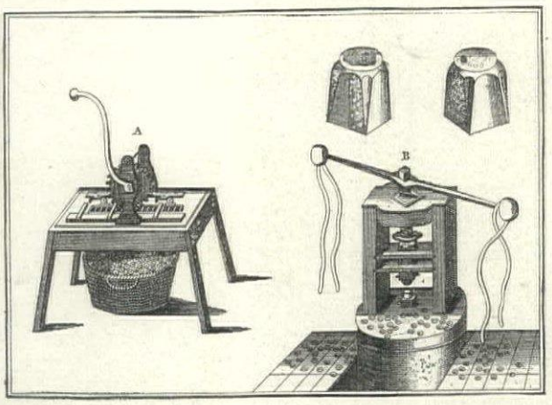
I suppose, a century from now, someone in Southern France will discover one of these coins and treasure it as a curiosity, never guessing who placed it there until, perchance, some erudite antiquarian and some equally erudite old bibliophile put their heads together and announce, in the session of a learned society, their remarkable theory connecting the find with the extraordinary confession of a certain 19th Century novelist, essayist and poet, one Robert Louis Stevenson.



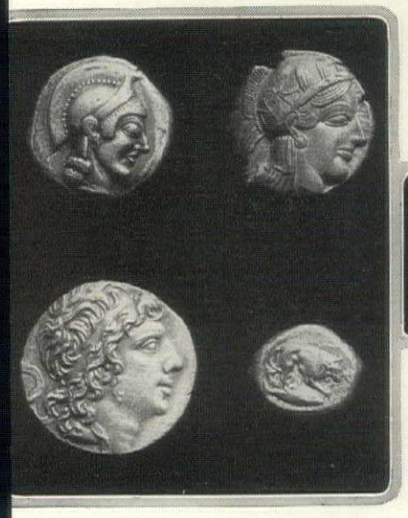
The use of coins, instead of barter and exchange, usually marks the awakening of civilization in a people. Minting, consequently, is an ancient art. Here we see hand die-stamping in an early 17th Century mint

Stevenson said that "it is perhaps a more fortunate destiny to have a taste for collecting shells than to be born a millionaire. Although neither is to be despised, it is always better policy to learn an interest than to make a thousand pounds; for the money will soon be spent, or perhaps you may feel no joy in spending it; but the interest remains imperishable and ever new. To become a botanist, a geologist, a social philosopher, an antiquary, or an artist, is to enlarge one's possessions in the universe by an incalculably higher degree, and by a far surer sort of property, than to pur-

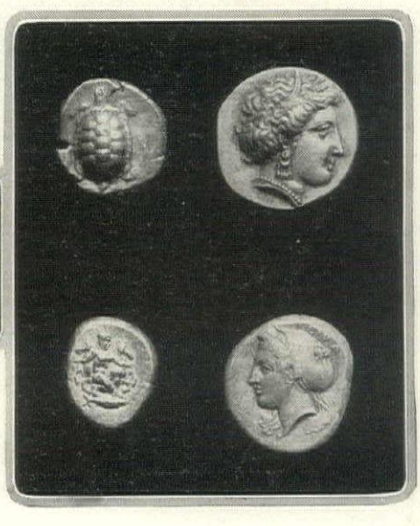
(*Continued on page* 88)



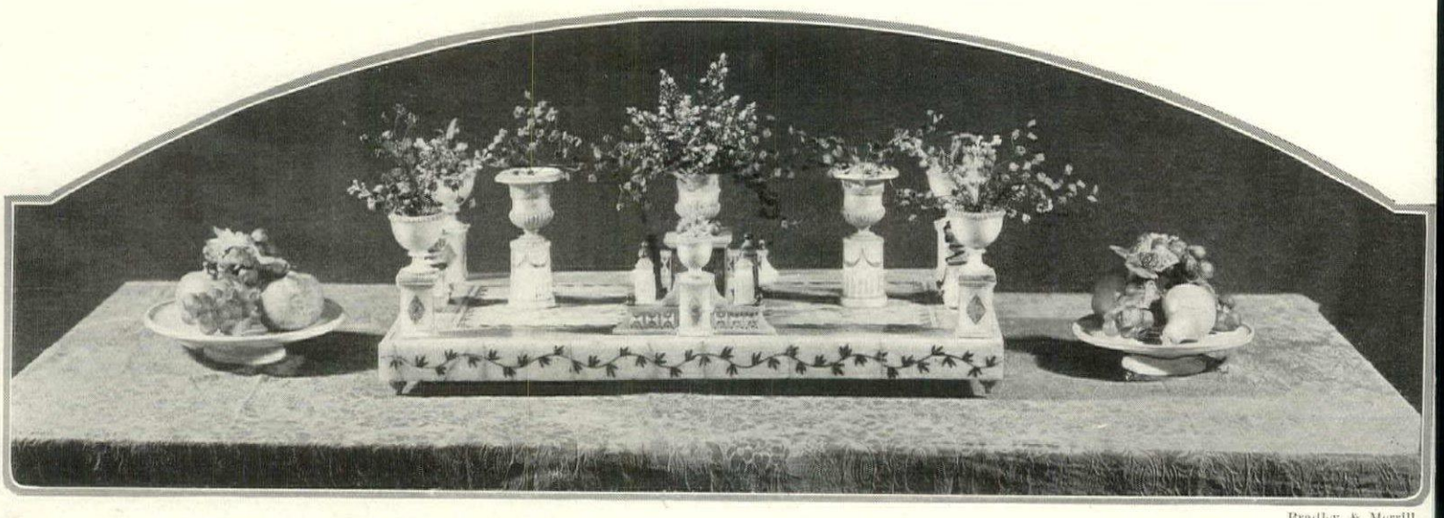
It is a far cry from the magnificent machinery in our modern mints to these simple coin presses and dies of the 17th Century



Greek coins offer a wide field for the beginning collector and at sales they fetch prices which are not considered prohibitive. These are early types



Greek coins, it has been said, are the grammar of Greek art. In them we may trace the steps of its gradual development up from archaic beginnings



Bradley & Merrill

Quite apart from the decorative value of the objects used, one should keep the decorations simple and balanced. For a large table one may use such an arrangement as this—a late 17th Century Italian alabaster ornament with Italian pottery fruit dishes at each end. Decorations from Wood, Edey & Slayter

DECORATING THE TABL

There Is a Distinct Art in Arranging the Table for Luncheon or Dinner, Although the Rules for it Are Very Simple

EMILY BURBANK

A TABLE beautifully set for any meal in such a manner as to make those gathered about it glad to be there is the achievement of a wise and thoughtful hostess. She may be merely setting the stage for the pleasure of her own household or creating an unusual effect for some distinguished guest.

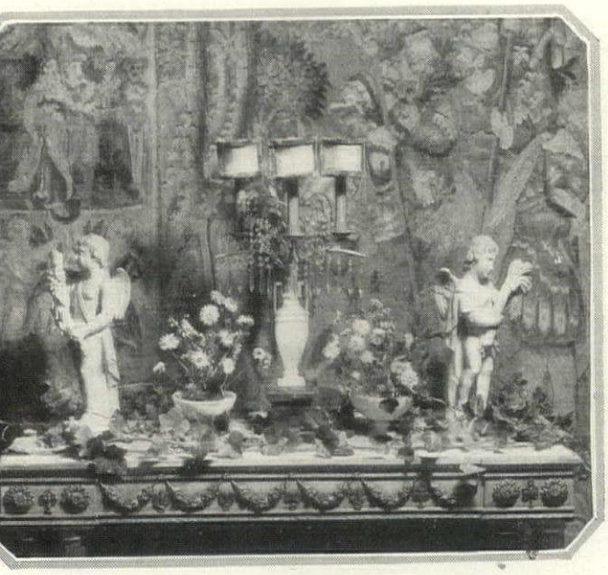


A center-piece of white crystal flowers and green glass leaves is balanced by 17th Century bronze figures. Gold ivy leaves are used in combination

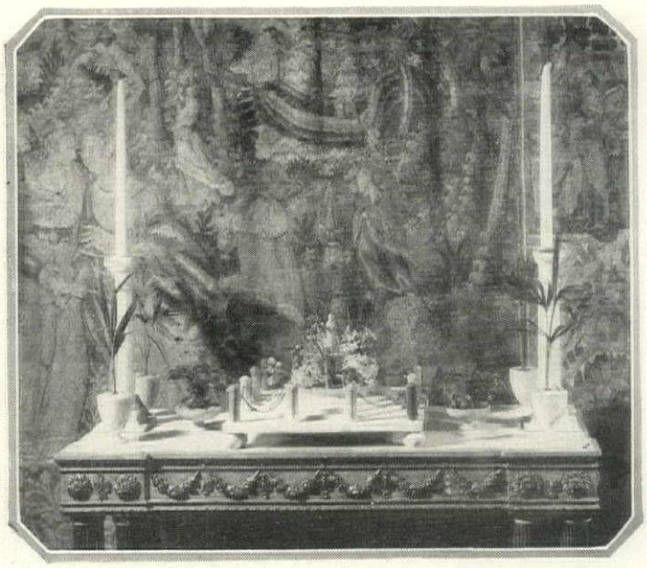
It is not a mysterious rite, t act of accomplishing beauti table decoration. Try it. St with two rules. First let the rangement be simple and balanc and never fail to make it look li *your* table. This is accomplish by using your pet china, glass, la linen or flowers, some variety which your friends have come

This attractive luncheon table owes its pleasing effect to the balance of its arrangement. The salt cellars are antique silver, the plates Italian pottery





Unless candles are very high, they should be shaded. The alabaster figures here are copies of antiques and flowers provide the note of color



Such a miniature alabaster fountain makes a delightful decoration especially if surrounded by tiny palms in graceful jars and flanked by a pair of slim white candlesticks

sociate with you. This gives the personal uch, the note of individuality that is the first quisite of any decoration.

A little experimenting will prove that the ranging of inanimate objects in an effective nner is one of the most satisfactory efforts house decoration. It may be ou have a gift for this sort of ing or are merely very observing nd have learned to make your ble a thing of beauty in a dozen fferent ways. In either case has me the knowledge that a table autifully set need not be one on which much money has been pended.

The immense advance made in ste recently with regard to house coration has directed the eye nd mind to the setting of a table as a feature quite independent of the food to be served. One has only to experiment and see how an attractive arrangement will cheer up a group of people and at once stimulate conversation.

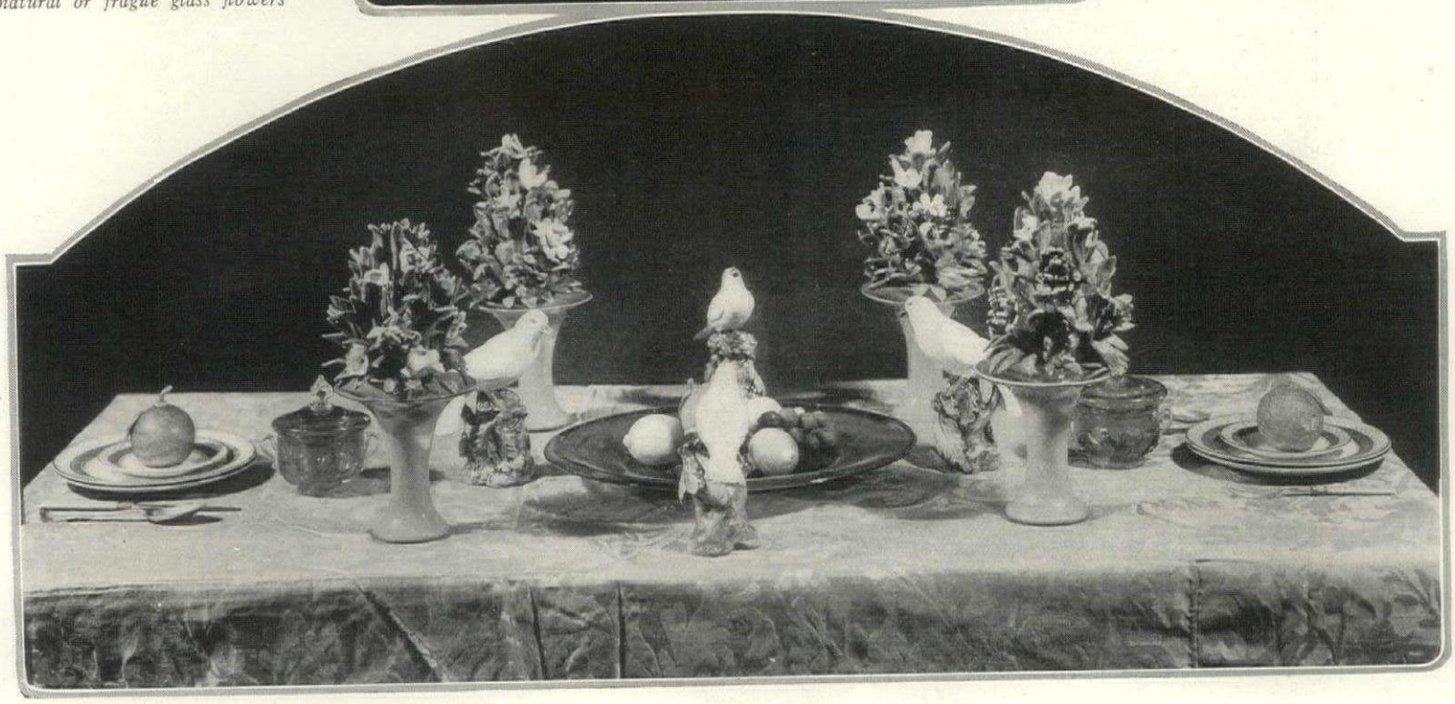
The art of making beautiful the table upon which a meal is to be served is as old as civilization. Ancient frescoes, carvings on stone, old paintings and ancient books written down by hand long before printing was invented, with their quaint illustrations, show us tables set with ornamental dishes and vessels so placed in relation to one another as to present the appearance of balanced arrangement. This art of decorating tables for meals was carried to such a point of perfection in the 16th, 17th and 18th Centuries that today we are going back to those old models for ideas. These centuries represent the splendid age of art when the wealthy nobility of each country employed great artists of the time to design their household articles.

(*Continued on page* 86)



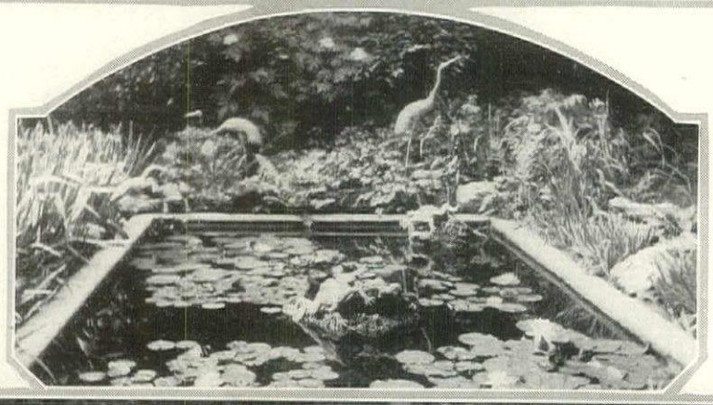
An exquisite center-piece of Venetian glass has a central figure and cupids of cream colored Wedgwood made to hold natural or fragile glass flowers

Antique yellow brocade, deep blue vases filled with brilliant glass flowers, yellow birds and silver luster plates make this table one of enchanting color



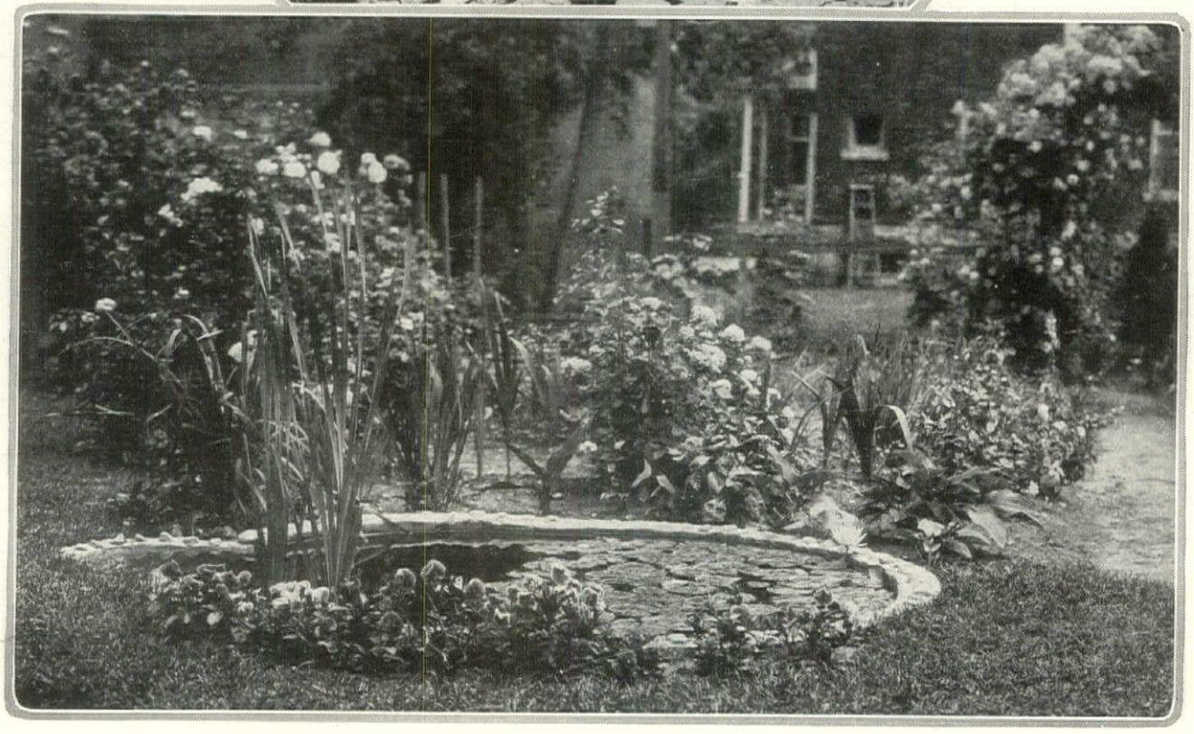


Nymphaeas add the final touch to the water feature. If the right varieties are chosen they will yield flowers from early summer until frost



In planting, spaces of open water should be planned which will mirror the sky, the trees and the planting which lies along the pool's margin

Whatever planting is done around the pool should be simple and not too dense. Irises are excellent here, and cat-tails with their ribbon leaves to lend height



CONSIDER THE WATER LILY

It Will Abundantly Repay Whatever Space and Attention You Give to It—
How to Fit It into Your Own Particular Garden

HAROLD H. SCUDDER

PERHAPS the most remarkable fact about water lilies and other quatic garden plants is that he average and otherwise well-nformed flower lover knows othing about them. This gnorance, moreover, is by no neans confined to amateurs. Not long ago a professional lorist, who has had many ears of experience in various ountries of Europe and in nany parts of the United States, came into my garden to ee my water poppies which vere then in bloom.

"Very pretty. Very pretty, ndeed," was his comment. But," he added, "I know othing of aquatics."

The purpose of this article s to dispel, if possible, some f this darkness, and to make lear that it is just as easy to grow aquatics as terrestrial plants, and fully as worth while. There are today in America so many iris, rose, peony and gladiolus enthusiasts that they have organized themselves into vigorous societies, and there will be a water lily society as soon as it becomes generally known that to grow water lilies is as easy as to grow phlox.

The possibilities in picturesque effect through the introduction of water into any landscape gardening plan need hardly be mentioned. A view, judiciously planned, includes a portion of stream or lake, whenever such inclusion is possible. Mount Vernon would not be Mount Vernon had the house been faced the other way. What is equally true, but not so generally obvious, is the fact that water gains its most certain triumphs when the plan into which it is introduced is at least semi-formal, and the body itself is relatively small and frankly artificial. It is fortunate that this is so, for almost anyone can achieve a pool, while almost no one can command a Potomac.

A very simple plan and yet one of the most effective is a rectangular garden, bounded by beds of perennials, its long axis beginning at the foot of a few steps, or at an arch, or both, terminating in seat, summerhouse or sundial, and bisecting at its center, or somewhere in its more distant half, a rectangular pool. Modifications and elaborations are infinite, but the effect is invariably the same. In each the water is the lure. To it, irresistibly and straightway, are drawn all who enter, and to whom forever after a garden without water is a garden but half made.



The water garden does not have to be large. In a space the size of a barrel you can grow Nymphaea Marliacea albida, dazzling white with a golden center



William Stone is one of the tender water lilies, bearing magnificent purple blossoms from 5″ to 7″ in diameter. It cannot be grown successfully in tubs



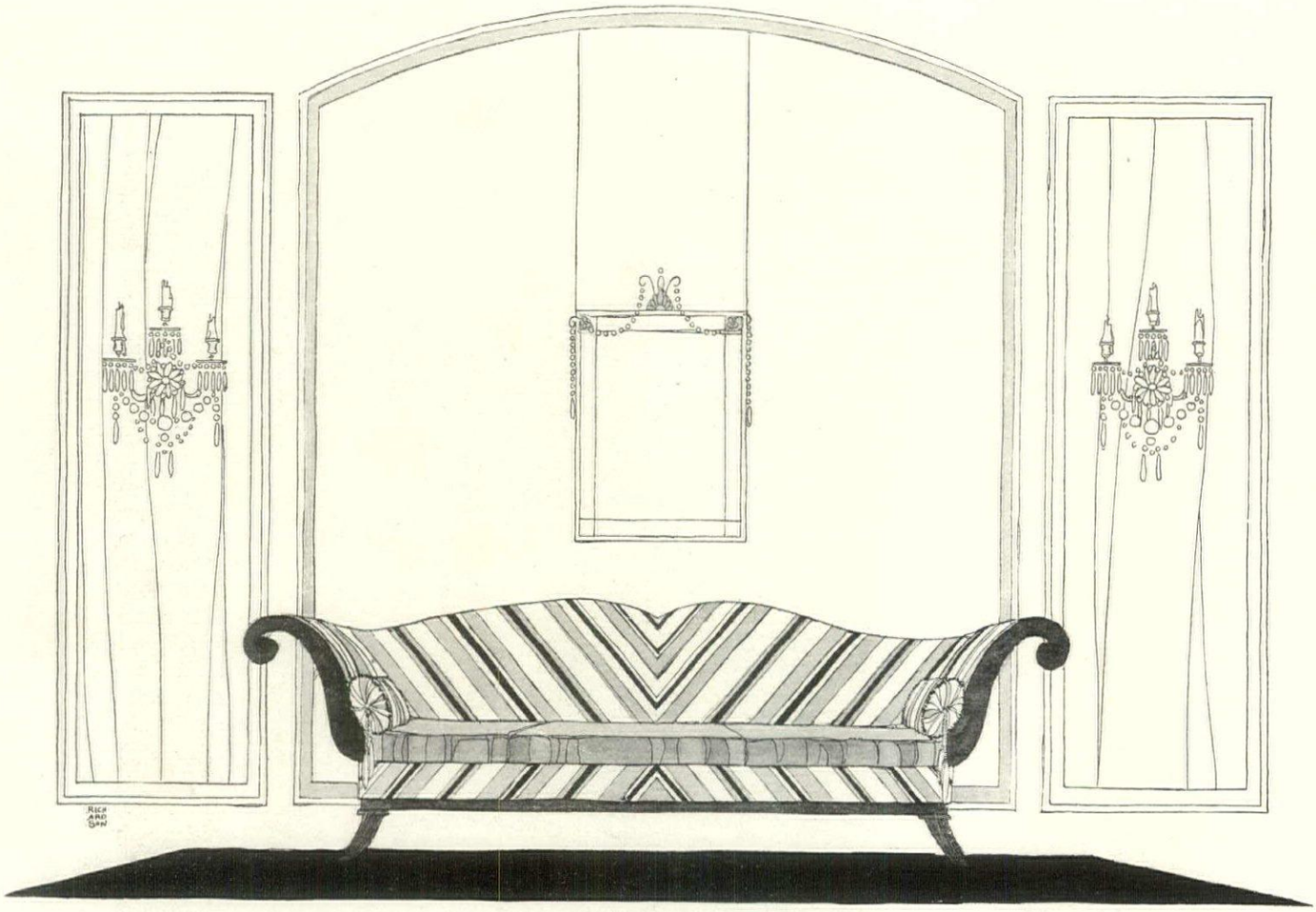
The water garden should be prepared well before the roots are due to arrive. If tubs are used it is essential that they be water-tight, set perfectly level and all at the same depth. They may consist of heavy barrels, cut down one-third

The reason that most gardens are waterless is due to the mistaken notion of most gardeners that where stream or pond is absent no water is available. Yet no stream or pond is needed. Running water is not only unnecessary, but is usually positively undesirable. All that is needed is a shallow receptacle to hold water. The liquid itself may be brought in buckets or barrels and turned in. After that it will only be necessary to replenish the losses caused by evaporation.

Nor will the lily pool require a very great quantity of water, for it is only 2′ deep. The lily roots are set in boxes or baskets of earth, the boxes placed in the desired positions, and the water poured in. When winter comes the pool is boarded over and covered with enough leaves to prevent the water's freezing clear down to the roots themselves. In other words, unless the ice is more than 1′ thick the plants are safe. If the grower is in doubt he may bury his roots well below the frost line, each in a pocket of sand and covered with a stone by way of protection when he digs them up again in the spring. I have tried both methods in New Hampshire with complete success. The burying method involves, however, replanting each spring, and a much delayed and generally less satisfactory blossoming season.

If the lily pool is artificial it may be made of cement, reinforced with wire fencing, or of brick, or it may be simply a tar, oil, or other heavy barrel, shorn of its upper third

(*Continued on page* 128)



If slip covers fit properly and are made of some colorful fabric striking in design, a country house living room will be often quite as effective as the more formal city interior. Above is an interesting use of stripes, the cover fitting smoothly and fastening in the back

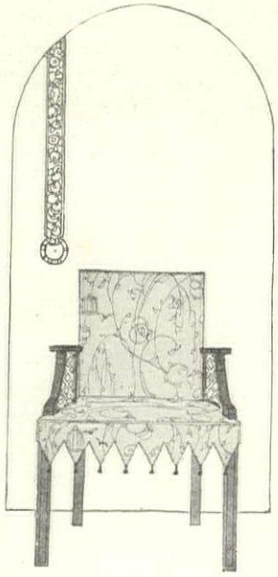
TAILORED SLIP COVERS FOR THE COUNTRY HOUSE

Of Colorful Chintz and Well-Fitting, They Are Vastly Superior to the Unshapely Brown Holland Affairs of Yesterday

P. T. FRANKL

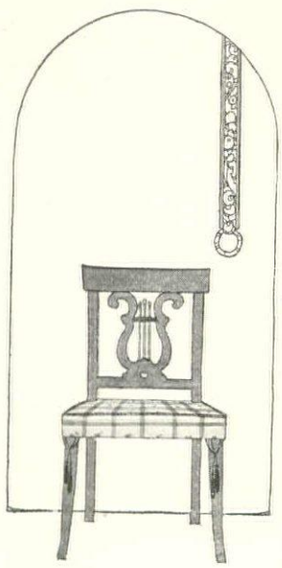
IN all the many details which go towards furnishing one's house, it is not so much a matter of what we do as how we do it. With sufficient inspiration and knowledge the most utilitarian necessity can be "sublimated" as the psychoanalysts say, into interesting and delightful decoration.

At the mention of slip covers, many people instinctively shrink, imagining ghostly drawing rooms swathed in shapeless bags of Holland. But those who are "in the know" immediately conjure up suggestions of delightful, well-fitted chintz covers, gaily recalling all the flowers of spring, and transforming winter rooms into summer ones so simply and quietly that Aladdin's lamp still seems to be in working order. But just as flowers are at their best when deftly arranged by a practiced hand, so the pictured flowers and figured fabrics must be adroitly managed to obtain the best results. To cover all the furniture and curtains of a large formal drawing room in no matter how delightful a chintz, is a disastrous experiment.



(Left) A cover in keeping with the Chinese character of this Chippendale chair is made to slip on and fits snugly. The points edged with colored beads are interesting

A cover to slip over the seat of a dining room chair might be piped in a contrasting color and tied on at the corners with cords of the same shade



Balance and proportion are obtained by a careful combination of plain and figured materials, selected in harmonious contrasts. Plain greens are always cool in suggestion, and accentuate the beauty of a flowered material in naturalistic coloring. A quaint toile de Jouy on a twine colored ground is made more interesting by leaving some of the furniture in the plain tone of the design, and there are so many attractive plain materials to select from. Mercerized repps, linens and a whole family of sunfast stuffs are sure to give the right note of plain color. Plain glazed chintz is not a wise choice for slip covers since it is impossible to avoid rumpling it in the making.

In this day of practical economics, the duties of slip covers are legion. The June bride selects the furniture for her first nest, has it delivered in

(*Continued on page* 86)



A LITTLE PORTFOLIO OF GOOD INTERIORS

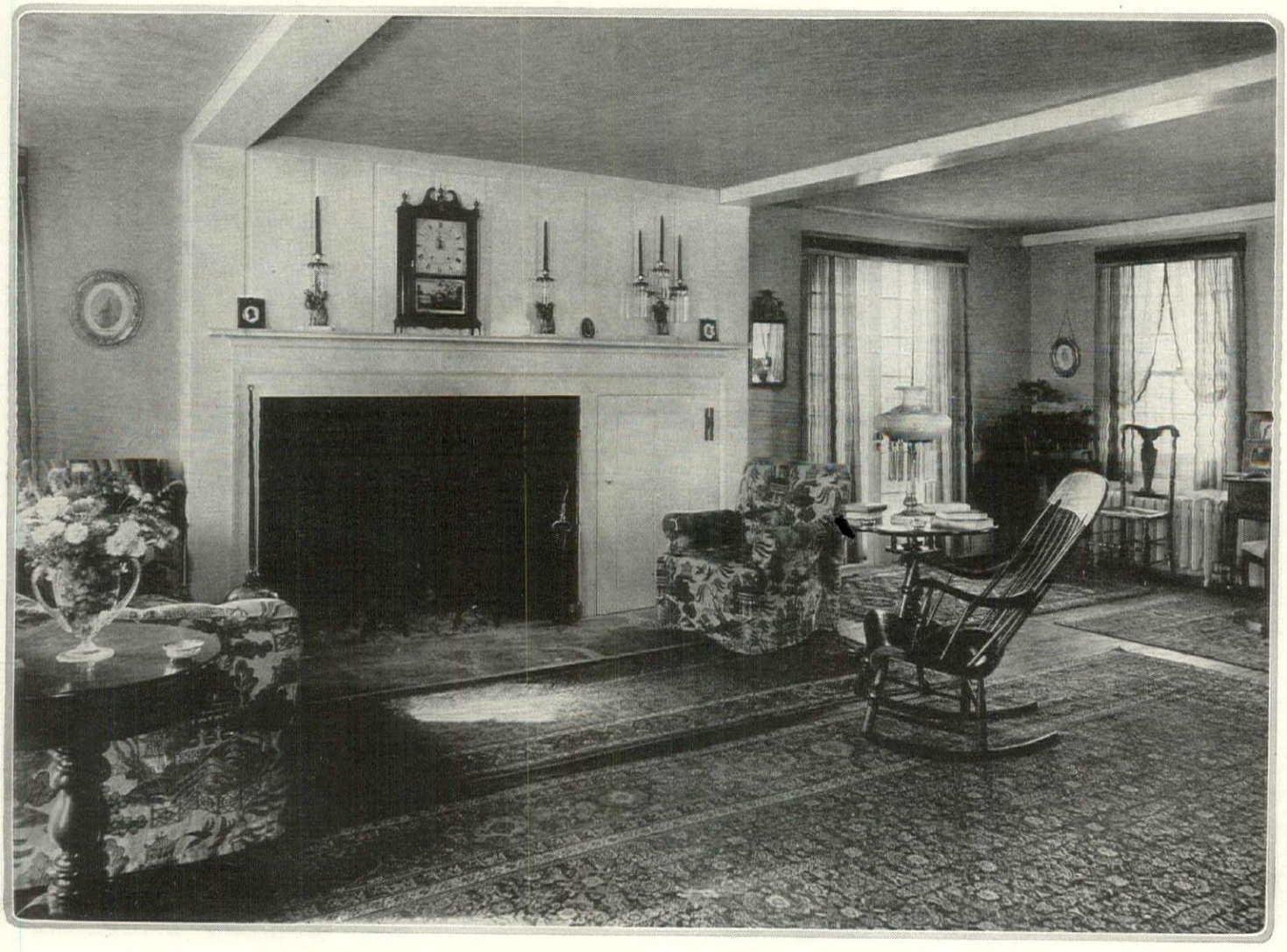
Great care and thought should be given the decoration of a hall as here one gains the first impression of a home. There should be a certain amount of dignity as well as a suggestion of the character of the rest of the house. When an interior is planned on such noble proportions as this, a more or less formal and balanced arrangement of furniture is advisable. The graceful arched opening, the beautifully spaced paneling and the high ceiling demand furniture equally ample in proportions and relative in size to the spaces to be occupied. Here the chairs and interesting old chests, sturdy of contour and admirably adapted to an interior of this kind, are placed along the side wall so as not to interfere with the sweep of space in the center. Large rugs are preferable to groups of smaller ones and if good orientals are used, they will go far towards bringing in color and interest



Harting

Cream woodwork and silver tea-chest paper form the background for this living room in the home of K. W. McNeil, Bridgeport, Ct. Curtains are of blue and cream striped taffeta

(Below) Buff walls, hangings of striped rose, black and yellow silk, a colorful chintz in a Chinese design and early American furniture are used in the Colonial Bridgeport home of H. B. Stoddard





The dining room in the McNeil house is paneled and painted blue-green. Curtains are gold and green striped taffeta, the carpet blue-green and the chair seats striped gold mohair

The Stoddard dining room has tan striped paper, a black chintz with bright fruits, and blue gauze curtains. The arched cabinets are blue inside. Mrs. Gillette Nichols, decorator of both houses



A CLASSICAL COUNTRY HOUSE *of the* 17th CENTURY

Aspley House, Attributed to Sir Christopher Wren, Shows Diverting Uses of Brick and Other Architectural Details

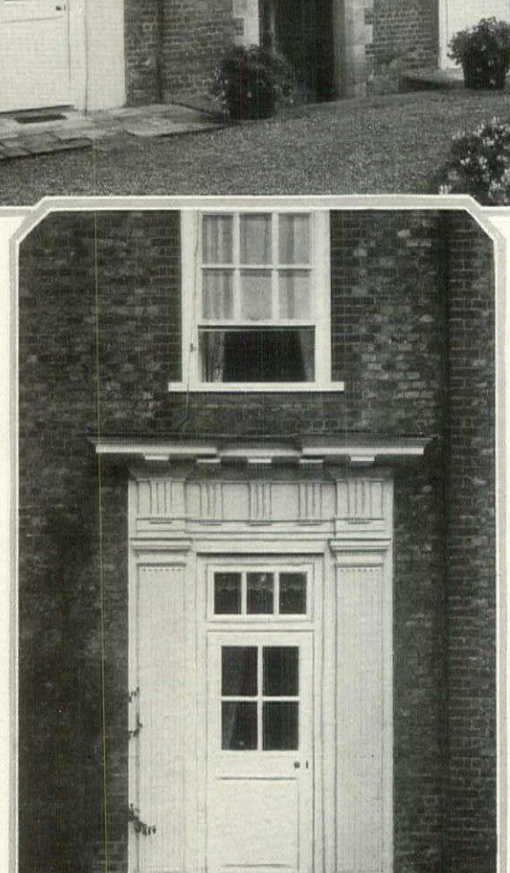
H. D. EBERLEIN

ONE ready means of escape from the stereotyped respectability and dullness of much of our modern country house architecture is to go back and study some of the earlier examples of the Classic School. Of this early source Aspley House at Appley Guise in Bedfordshire, England, is an admirable instance of 17th Century domestic architecture. Quite apart from other considerations its attribution to Sir Christopher Wren—an attribution which there is every reason to believe correct—invests it with additional interest as that master's domestic work, so far as the majority of people are concerned, has been quite overshadowed by his achievements of a public nature.

Now, one thing that imparts charm to domestic architecture, as it also does to the people we meet, is evidence of little unexpected touches of individuality, touches that carry with them a certain piquancy and render a house quite distinct from others of its type. It is not necessary, indeed it is not at all desirable, that these individual touches should be eccentric. Rather should they be always rational but, at the same time, they should indicate spontaneity on the part of the architect and his readiness to treat with lively and appropriate invention some individual peculiarity of the subject he is dealing with.



An arched cellar entrance, superimposed Palladian windows, brick laid in header bond and glass-cheeked dormers are among the unusual features of the garden front



The detail of these garden front doors is simple and dignified and the arrangement of lights both in the door and above it is harmonious and carries the proper balance

Just such pleasing invention is found in Aspley House. The south or entrance front is treated soberly. It is genial in tone and not lacking in indications of original interest, but it maintains a becoming reserve towards the approaching stranger. Here the red brick wall is of Flemish bond and, apart from the satisfying proportions, the embellishment consists of an entrance porch adorned with an interrupted pediment and vigorously carved consoles, a belt course of slight projection between the first and second floors, and a circular window in the wall of the pediment.

Going to the other side of the house, however, we find quite a different treatment. This north or garden front bears some striking evidence of architectural pleasantry.

One cannot help being forcibly struck by this utter difference in composition between the entrance side and the garden side. The central projection of the entrance side, with its doorway and flanking windows, corresponds with the breadth of the stone-paved hall inside, while the wall spaces on each side are broad enough for only two windows. The narrow central projection of the north front, corresponding to the width of the stair-hall within, leaves the wall spaces on each side broad enough for three windows. The arched cellar entrance has been made a thing of beauty and interest and the Palladian windows, in their rather unusual manner of repetition, supply abundant light to the staircase landing. The whole composition thus affords many exceptionally diverting features.

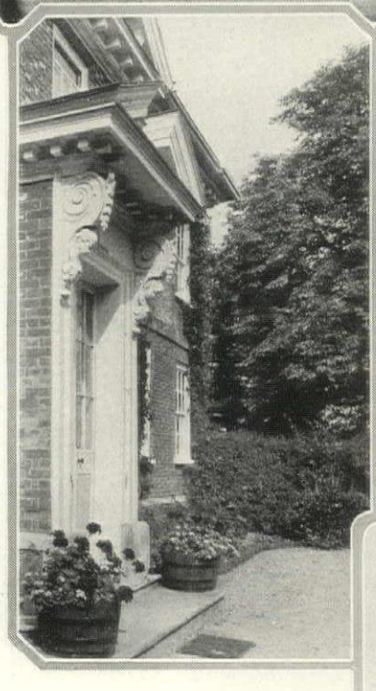
Most of the brickwork of the north front is laid in all-header bond, as compared with the Flemish bond on the other side of the house, and the bricks range from black to dark blue and gray. The lintels are of red rubbed brick, and this pleasing alternation of color is carried right up to the top of the chimney which interrupts the cornice of the sharp angled pediment.

The blank east wall is of red brick laid in Flemish bond, but its field is diversified by countersunk panels, to give the interest of fenestration, and ingeniously placed so as to convey the effect of pilasters at the corners.

On the east side also is an interesting Palladian dormer. It should likewise be noted that the other dormers have glass cheeks, a device which admits a maximum of light.

Another feature of Aspley House is the ramped wall bounding the garden on the north and enclosing it from a road. The treatment of the gate in this wall is a bit of masterly composition, dignified with brick pillars capped with stone balls and with shallow brick niches on each side.





Apart from the round window in the wall of the pediment the entrance front is soberly devoid of decorative detail, except in one instance—the carved brackets of the door, depicting cherubs

In the manner of many English country places, the property is surrounded by a high wall and the entrance is elaborated by brick pillars and an arched gateway with shallow niches to right and left



The entrance side is quite different from the garden front. The brick is laid in Flemish bond, the central projection is wider, and there is a belt course between the first and second floors



The feature of the wall, apart from the gate, is the ramped effect produced by the wall lines following the contour of the garden inside. The bricks follow this contour and are laid in panels

THE CREATION OF HYBRID PLANTS

How New Varieties of Flowers, Shrubs and Trees Are Brought About and Developed into True and Fixed Forms

RALPH MORNINGTON

WE often see the word "hybrid" used in books and periodicals touching on gardening, in nurserymen's and florists' catalogs, and in horticultural discussions. Yet it has seldom been brought before the lovers of gardens just what hybrids are, how they have been created and produced, or what hybridization means generally. We may, therefore, rightfully wonder where all the new varieties seen annually in our horticultural markets originate.

Our most valued varieties of garden plants, bulbs, vegetables, shrubs, trees, evergreens, etc., do not grow wild, but have been developed from inferior and uncultivated kinds. A great many of our flower garden favorites have been improved from their wild state to a degree which would render their relationship unrecognizable or unsuspected were it not for our horticultural records. In looking back, we find in our old books on gardening and horticulture cuts of some of our favorites, such as the larkspur, sweet pea, daisy, etc., etc., and we see that these have been improved to almost double the size of the ones grown in the early part of the last century. Our records are somewhat vague as to the origin and age of many of our best flowers, or the exact year that some of them appeared on the market or in our gardens. We also find that many of the old-fashioned varieties have been eliminated and are now unobtainable, as newer kinds have taken their places. Therefore, it is a matter of constant progression and elimination. This advancement in creating new kinds has been greatly stimulated through the knowledge we have acquired from the writings of our earlier biologists and plant-breeders, whose theories and experiments have taught us what we can and cannot expect in creating new hybrids.

THE word hybrid as commonly used means the product resulting from the crossing of two specific kinds, and hybridization is to produce a hybrid through inter-breeding or cross-fertilizing. To do this we must be guided by experience and observation, rather than by scientific knowledge. There is practically no certainty in hybridization, neither are we able to set forth positive laws or predict a hybrid, and then by means of cross-fertilizing produce an ideal variety.

Some plants have been found among certain varieties, particularly the perennials and annuals, which displayed excellent qualities and have been constant and true from the very beginning. These changes from the parent group may be attributed to natural cross-fertilization, and are multiplied through cuttings or layers, or the original plant may be divided. Such plants are called chance seedlings. These cases, however, are rare, and are greatly looked forward to by horticulturists.

It was, therefore, left primarily to mankind to originate new varieties and improve others, and in order to do this we must rely on the three known methods: preservation of sports, selection of variations, and pollination. These three methods may be explained as follows:

Preservation of sports means the reproduction by cuttings, grafts or budding of branches, shoots, or parts of a plant that exhibit or are the result of spontaneous variation of the normal type upon which they grow. It is unknown how these sports originated or the cause of a plant exhibiting them. It has, however, invariably been found that if a sport is multiplied through the methods just described it will be true to the original; for example, the red or copper beeches, familiar lawn trees, originated through the appearance of a single red-leaved branch discovered on an American beech that was multiplied through grafting. The cut-leaved hazel-nut came to us through a natural sport found on the common hazel-nut tree.

The foregoing is true not only in ornamental trees or shrubs, but also in fruit trees, as for instance the navel orange, which is seedless and can be distinguished by the small accessory orange in its upper end. This originated from a sport branch found on an ordinary orange tree, and has been preserved and multiplied through grafting. If the sports cannot be preserved through layers, cuttings, budding or grafting, they cannot be multiplied, as seeds appearing on them will produce only the original form.

The appearance of a shoot or branch originating on the lower portion of a stem, or a sprout arising on the root near the trunk of certain trees, as in maples, poplars, etc., or in shrubs, should not be mistaken for a sport; nor the rapidly growing, erect shoots on an apple or pear tree, which are commonly known as suckers and are worthless and detrimental to the parent tree.

SELECTION of variations means the elimination rather than the development of a variety. Experience and experiments have proved that many plants of the same variety, growing side by side, present many differences or variations in color, appearance or size.

This variation may be hereditary, but under constant selection and elimination in the use of their seeds in growing the next plant, and through extensive cultivation, there may result in time a variety in which a given feature is more prominent and constant than in the original form. If we assemble the plants or seeds according to the highest degree of quality, color, appearance looked for, we have established a method of improvement by selection of variations, thereby promoting the development of new varieties. This method is commonly used in certain groups of our perennials and annuals. While extensive cultivatio alone will not bring forth a new variety, it through selection of the desired variation, co bined with extensive cultivation, that we m perfect and attain the result looked for.

POLLINATION is primarily concern with the essential organs of the flow It means the transferring or supplyi of pollen from the anther to the stigma, wheth such transfer occurs within the flower itself, by the aid of insects, wind or artificial metho

The anthers or male part of the flower a pear generally on the end of the stamen. Th are thread-like stalks on which the pollen sac are found. They can readily be distinguish in our Easter lilies. The pollen, when ri has a dust-like appearance and a color fro creamy white to deep orange. Under micr scopic observation it is a grain.

The stigma is the female or seed-bearin organ of the flower, and with the ovary a style forms the pistil. The form and locati of the stigma vary in flowers; it may be locat in the upper part of the style and have a kn or club-shaped appearance. In other cas the stigma takes the form of a ring divid into cells. In all cases, successful and comple fertilization requires that the pollen must on be deposited on the surface of the stigma, wh this is covered with a sticky secretion to insu the lodgment, adhesions and nutrition of t pollen.

In a great number of plants the organs a found in separate flowers or on different plant A number of plants go through the process self-fertilization, that is within the flow itself. The offspring of such plants is like to be inferior.

Through cross-fertilization — that is, n with a flower from the same plant, but betwe flowers of different plants, of different colo types and varieties — we can obtain ne hybrids. This method has been universal used by our botanists and plant breeders improving and creating new hybrids a varieties.

AS the first method used in creating ne kinds is hardly adaptable to perennia and annuals, and the second meth somewhat slow, we must rely mainly on t process of pollination. A brief résumé of t theory, law and experiments will suffice befo we take up the question of how it is done.

The theory and subsequent observations our earlier biologists tell us that continu self-fertilization is apt to result in inferior o spring, and that cross-fertilization betwe flowers is more variable, as the offspring wou be the result of the union of two unlike parent Charles Darwin in 1859 clearly proved tha

While Darwin and other biologists work

(*Continued on page* 128)

NSECT ENEMIES OF ORNAMENTAL TREES

Their Detection, Dangers and Control as Outlined by the State Entomologist of New York

E. P. FELT

A WELL grown tree is an ornament to the landscape and an inration to all tree lovers. requires a generation or ore for many trees to ach their prime, yet they e frequently disfigured killed by insects within few years.

Insect pests may be dided for practical purses into borers, leaf eats and sucking forms. here are very destructive sts in each group and e of the first requisites to distinguish between e injurious and those of latively little importance. ost insect injury occurs on the common shade ees and methods of serce with these are freiently of equal value in e control of depredations on the less common ornamentals.

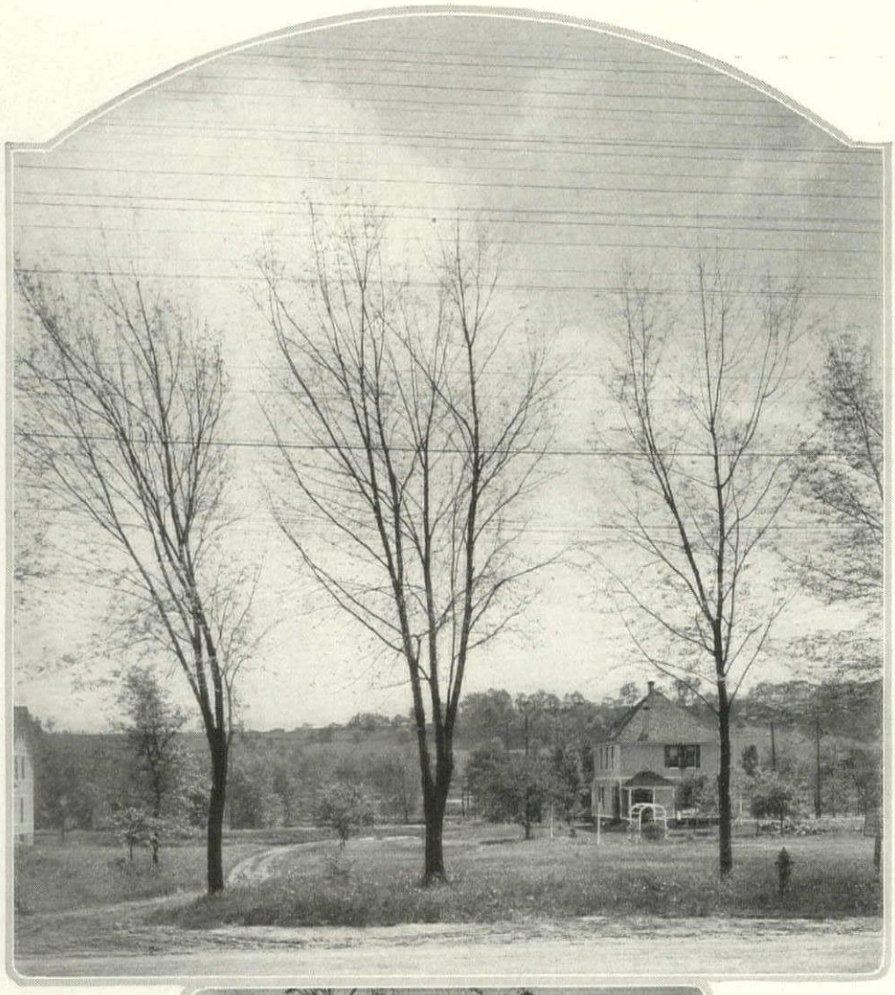
Borers are among the ost insidious enemies of ees, since their operations e mostly in the wood and rgely hidden from obervation. These pests atck various parts of difrent trees, though fornately comparatively few use serious damage. The tter work in living tisues and attack the tree at me vital point, such as e trunk or the lower porion of the larger branches, and even then e borings are largely in the vital cambium, e inner bark and outer sap wood.

The sugar maple borer is comparatively nknown, yet it has disfigured or killed ousands of noble trees. The first signs of injury are seen at the base of the limbs in late summer as small, bleeding, discolored areas from the centers of which hang particles of "saw-dust." The nearly full grown borer has the pernicious habit of running a gallery in the cambium layer obliquely part way around the tree or branch, thus effectually girdling that portion of it. The injury is followed in many cases by slow dying, both above and below the burrow and may result in the death of half of a badly affected tree.

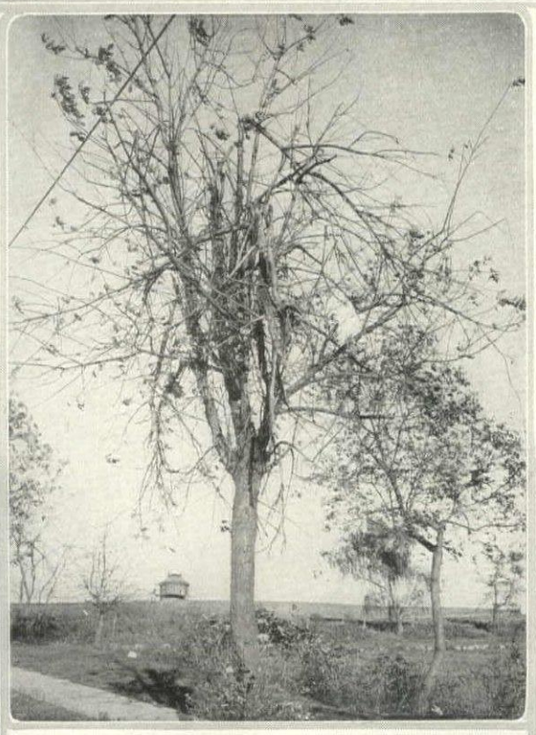
The leopard moth is a borer with a marked preference for soft maple, though it is commonly found in a large number of trees and shrubs and occasionally destroys large trees or even rows of trees. The young borers work in midsummer in the smaller twigs, causing wilting tips. Later they migrate to the larger branches and may eventually produce hideous scars in the trunks of even good sized trees. The larger borers weaken branches 1″ to 2″ in diameter in such a way that many of them break and hang from partly severed stubs.

It is important to recognize the early work of borers. Young sugar maple borers should be cut out at once and small twigs infested by leopard moth caterpillars removed and burned. Timely, systematic work along these lines will do much to control these insects.

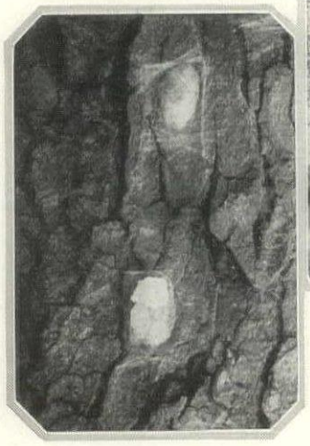
(*Continued on page* 136)



The green maple worm sometimes strips the foliage from soft maple trees and seriously injures them



The larger specimens of leopard moth borer weaken the branches so that many of them break. These pests show a marked preference for soft maple trees



White marked tussock moth cocoons, the upper one showing a wingless female and a partly deposited egg mass attached to the cocoon



Decay follows close upon the work of the sugar maple borer. Here are shown some old galleries made in the wood by these destructive grubs

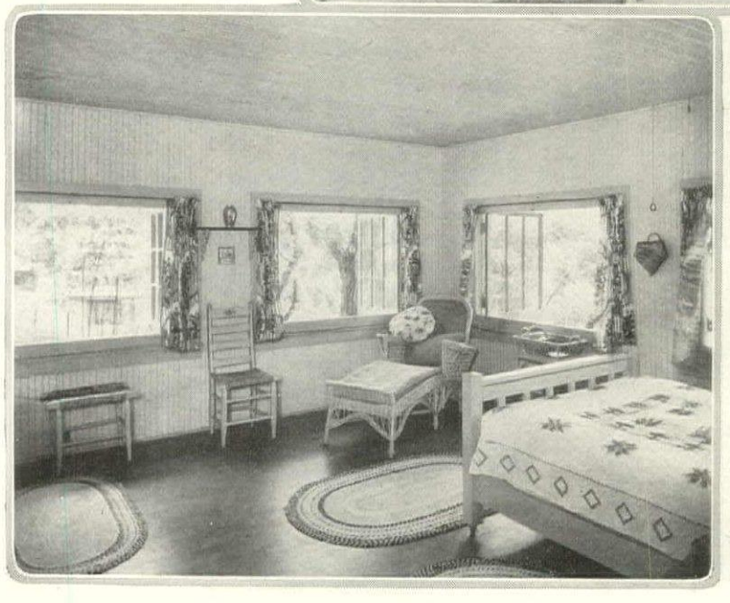


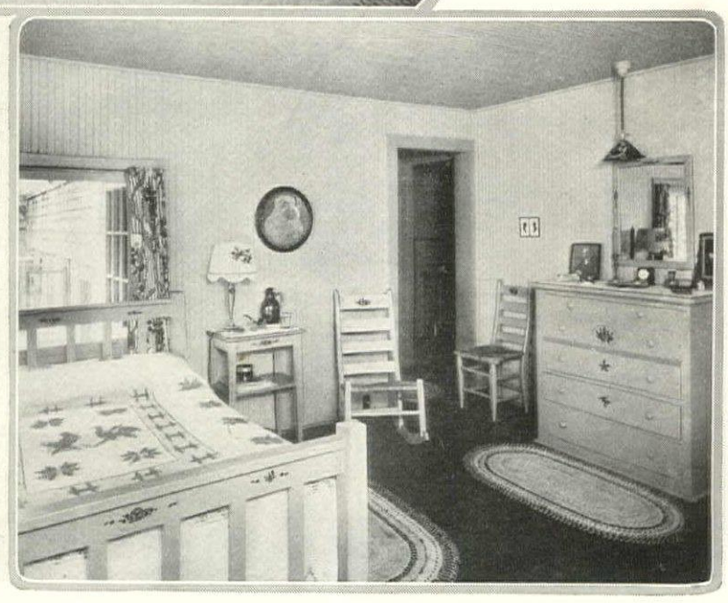
The slope of the land permitted two levels, the lower built of concrete, the upper shingled. A retaining wall protects the old trees that shadow the house on this southern exposure



Two tones of gray are used in the living room furniture and floor. Otherwise the scheme is vivid blue, orange, purple, black and green. Decorations by the Artcraft Shops

(Below) Large windows are in the bedrooms and throughout the house, with the screen arranged inside. Walls are matched boards stained gray. The furniture is painted the same

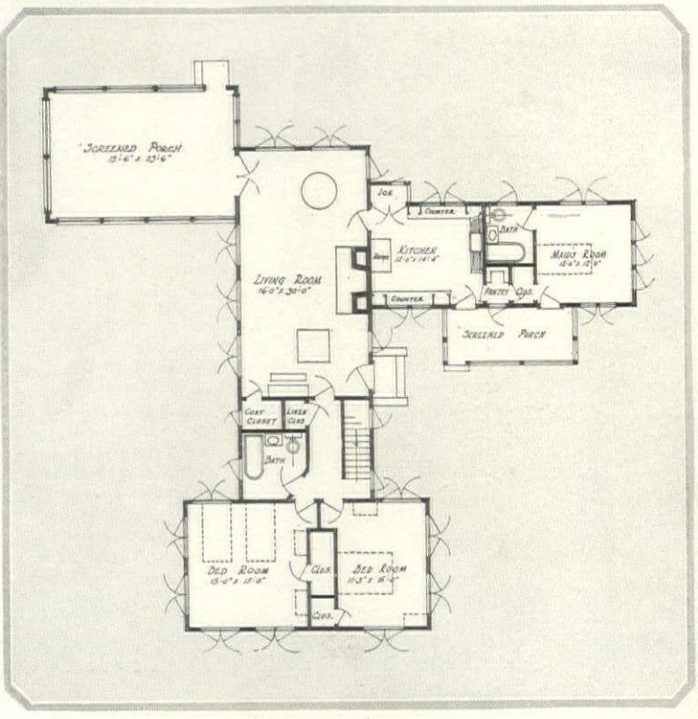




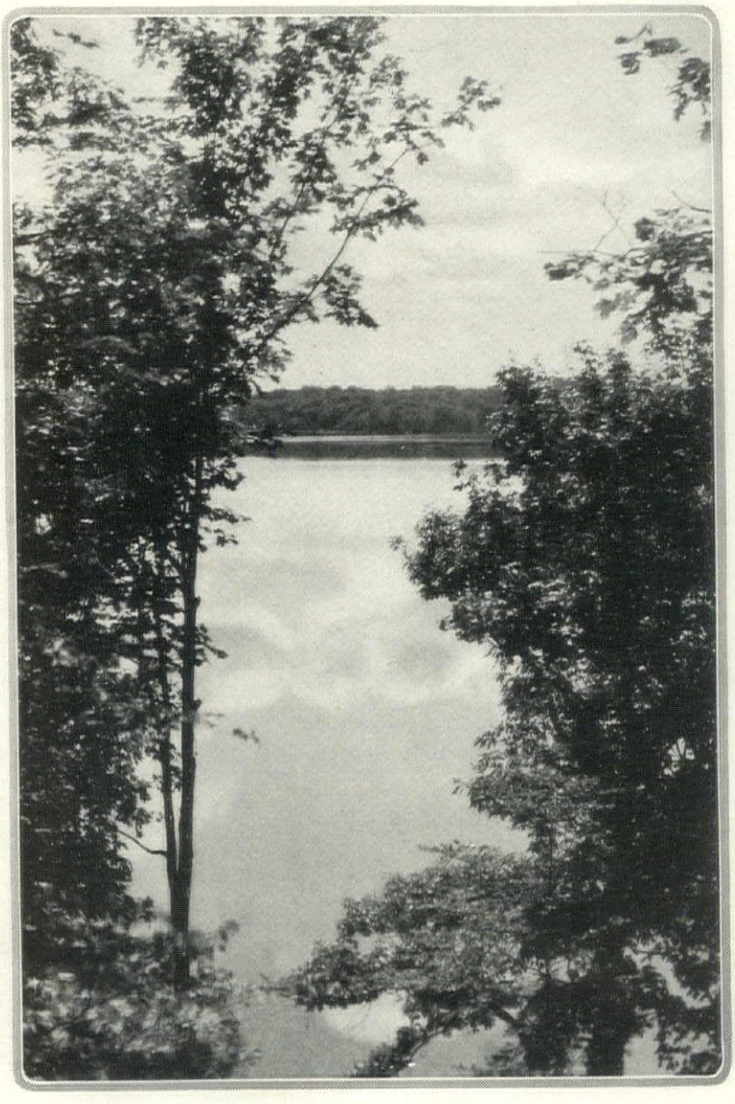
All the beds and tables were made by the carpenter and the chairs and stools in the mountains of South Carolina. Colors chosen from the curtain fabric are used to decorate them



From the porch end one can see the trees around which the roof is built in places. The wing to the left contains the kitchen and maid's room. From this front porch the bank drops away forty feet to the level of the lake. It commands the view shown below



In designing a camp such as this the plan will very much depend upon the contour of the site, unless one can afford to do a lot of grading, and too much grading in a property such as this is undesirable. Consequently the plan is irregular, but all rooms have cross ventilation and command a view



The SUMMER CAMP OF ROBERT HAWLEY

CHRISTMAS LAKE
MINNESOTA

The woods on the property have been carefully cleared of underbrush and dead trees, thereby opening vistas from the windows and the porch, allowing for the play of cooling winds and warm shafts of sunlight and framing such views as this



Much of the charm of the terrace garden lies in the fact that though it is laid out formally the planting is informal. The geometric shape of the beds, the box edgings, the uncompromising directness of the brick pavements are all softened and humanized by the irregularity of the height, color and form of the familiar flowers—peonies and phlox, rudbeckia, archillea and hollyhocks. The ivy-covered walls of the house form a background for the colors of this terrace



VIEWS *in the* GARDEN *of* GEORGE EASTMAN

ROCHESTER, N. Y.

ALLING S. DEFOREST
Landscape Architect

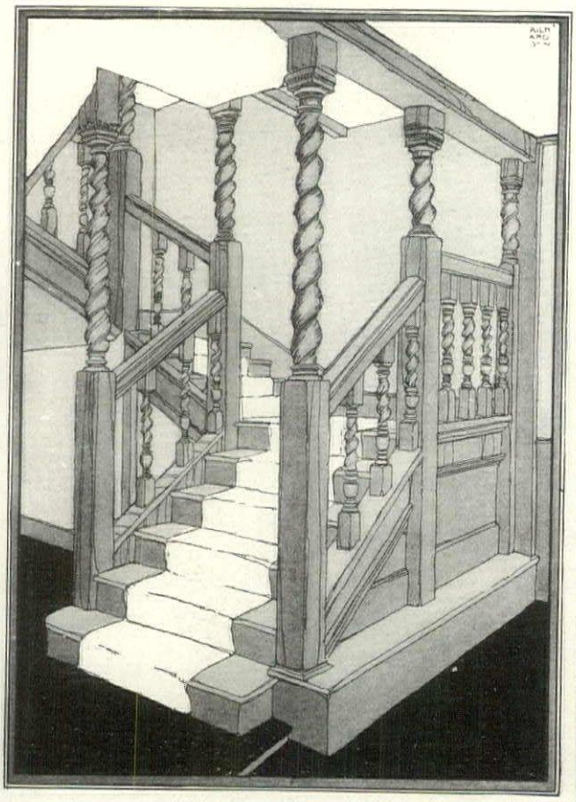
At the north end of the vegetable garden is a grape arbor. Its brick pavement is edged with turf and the beds on each side contain foxgloves and other shade-loving plants. The use of so architectural an arbor for grapes is not common, but it is harmonious with the design of the garden. The bend of the path between this arbor and the one beyond offers a pleasant relief from the straight lines of these two structures



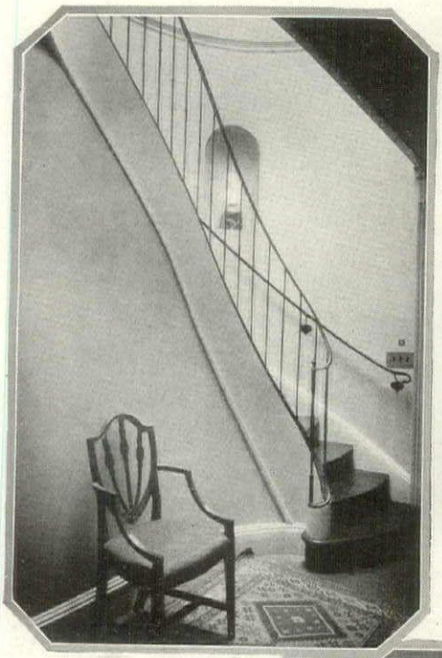
The rôle of vines in the garden picture can be seen by comparing this early view of the house and terrace garden with the later photograph shown opposite. In the foreground is a healthy colony of the old-fashioned and showy gas plant or dittany Dictamnus fraxinella



A broad pergola forms one side of the terrace garden. Wild grape, akebia and wistaria vines make it a shady bower. Between the columns stand huge pots of hydrangeas. The colonnade in the background connects the house with the palm house. Between these two lies the lily pool



Stairs should be easy to ascend. This ease depends upon the height of the risers, the width of the treads and upon the position of the landings. All three are excellent in this example



Harmony between the curve of this handrail and the slim wrought iron of which it is made has created a stairway of beauty. Its angle also solves the problem of limited space in a remodeled city house. The inner handrail is a practical idea. Butler & Corse, architects



Curved free standing stairs or stairs supported on only one side have an undeniable lightness and grace. In this example from a New York house the stone steps are surmounted by a wrought iron balustrade and railing of great delicacy. William F. Dominick, architect



Where space permits, the stairs can be confined in a special "well," set apart from the hallway. This distinction is necessary in some houses. Here it is used in a small house, the stairs being finished with mahogany treads and handrail. A wide landing is created by the turn of the stairs. Dwight James Baum, architect



Northend

In a wide hall of Colonial design the double stairs are immensely effective. A door can open beneath them and there is usually space for closets on each side. Here the broad mahogany treads and railings give contrast to the white woodwork, and with the Colonial entrance form an interesting architectural detail. W. H. Beers and F. C. Farley, architects

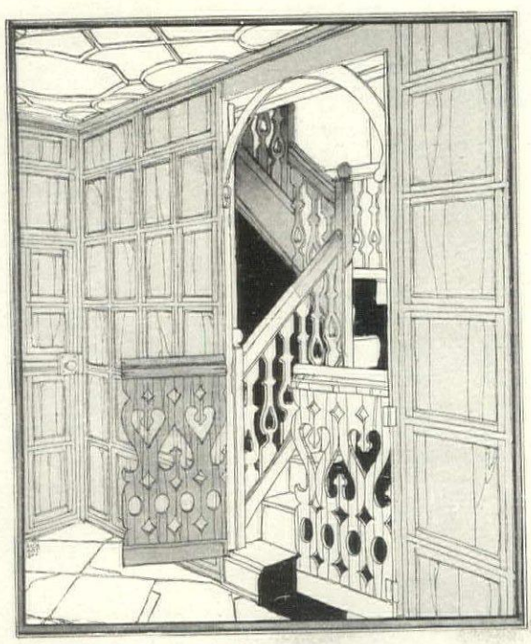
IF YOU ARE GOING TO BUILD

Stairs Must Be Considered Both for Their Structural and Decorative Effect in the Well-Built House

MARY FANTON ROBERTS

IT is only a few centuries since a slender ladder on the outside wall of the house was the only connecting link from floor to floor. Even in the latter part of the 18th Century when the old palace of Malmaison at Fontainebleau was made beautiful for Napoleon and his Empress, there were no hallways except the vestibule, and no general stairways, only little iron spiral flights of steps, leading from one story to another. How did people in those old palaces achieve any sort of repose? To reach that exquisite Empire room where the unhappy Josephine lived, it was necessary to pass through an endless chain of magnificent ante-chambers, even the Emperor's bedroom. And what subtlety or reticence was left in life when the Empress had to walk past dozens of her friends and enemies, possibly just to powder her nose or take a little beauty sleep, or quietly contemplate the frailty of man.

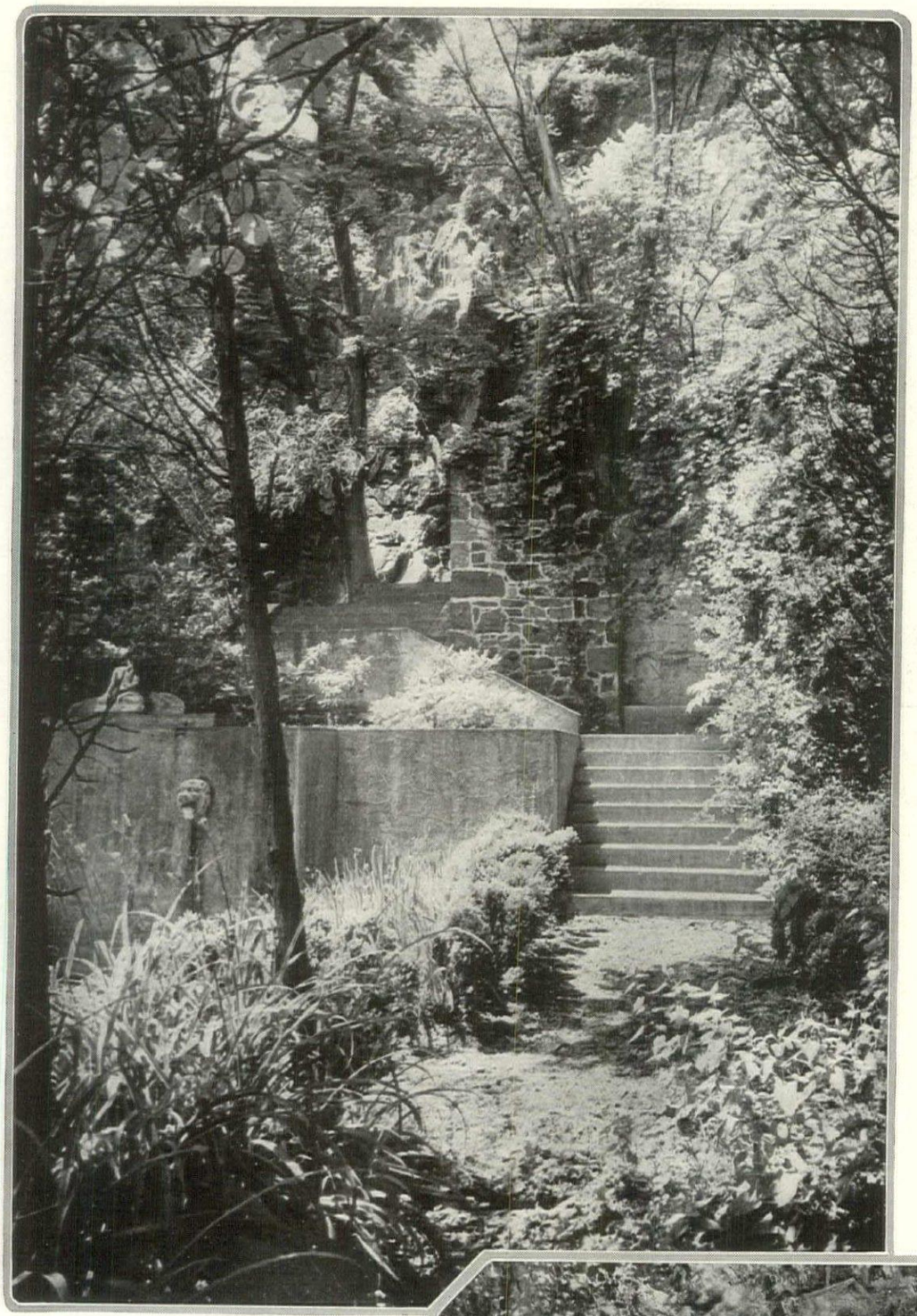
Today it is difficult for us to think of houses without halls and interior stairs, just as we cannot imagine living without telephones and steam heat and elevators. Perhaps, however, the miracle of house designing and building was more completely realized in the history of the stairway than in any other feature involved in the progress of architecture. The most picturesque early stairways were apparently developed to meet certain sentimental phases of life, as the stair ladders that led up the side of the ancient pueblos, which the Indian chiefs trod reverently as they ascended to the flat roofs for their sunset prayers. Silently there the Medicine Men with arms outstretched supplicated their gods for those creature comforts which we today seek at the corner grocery—seldom addressing the deities except in terms of reproach.



"Dog gates" were a picturesque as well as a practical feature of old English stairways, where the stairs lead directly up from a banqueting hall to which the favorite hounds were admitted

Of comparatively recent date are the little lover's stairways found in the remote farmlands of Denmark. Usually these old farmhouses were built of logs and in the summer time the thatch roofs were covered with flowers. The upper story which was little more than an attic was occupied by the marriageable daughter of the house and only reached by a ladder on the exterior house wall.

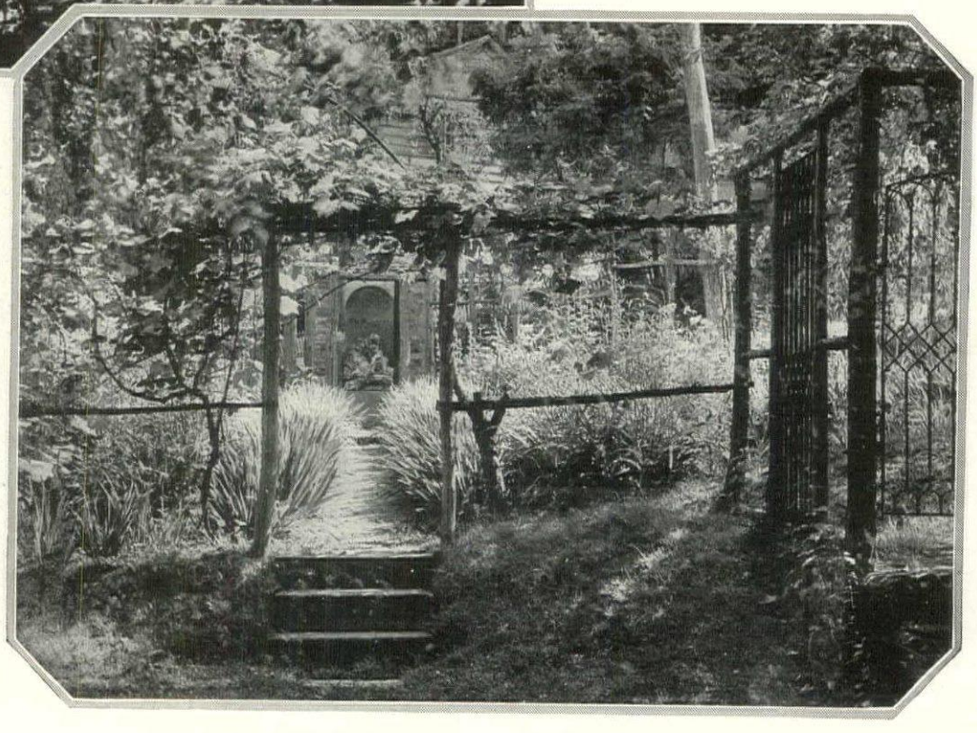
(*Continued on page* 96)



SHADOWY CORNER
in
INFORMAL GARDEN
at
SNEEDEN'S LANDING, N. Y

Designed by Mary Tonetti

A garden built on a hillside offers infinite possibilities. Native stone taken from the hill can be fashioned into terrace walls. Cement fountain and steps present a contrast with the wild growth massed above. In this garden the steps lead from a lower open space filled with old-fashioned flowers to a higher level where there is a waterfall and behind that the shadowy reaches of the wood



Enclose a garden, and you create a pleasant spot of repose. Even a fence of rough cedar posts is enough to cut it off from the bothersome world. Such is the atmosphere of this garden. A cedar trellis surrounds it and on the trellis grape vines are being trained. The narrow, iris-bordered path terminates in a niche that holds a sculptured group



To be really appreciated a vista must be framed. It is the framing of concrete pillars and leafy roof that gives this garden gallery its unusual charm. Here one may sit and gaze down on the broad, peaceful reaches of the Hudson. Far to the south stretch the unending roof tops and towers of chaotic New York



A garden is attractive for its unexpected contrasts. Close by, delphiniums lift heavenly blue spikes in a tangled mass. Yonder are a quiet lawn and hedges clipped to conventional formality. Look up, and the view is interrupted by huge trees. Beyond them are the hills, with the Hudson flowing placidly between

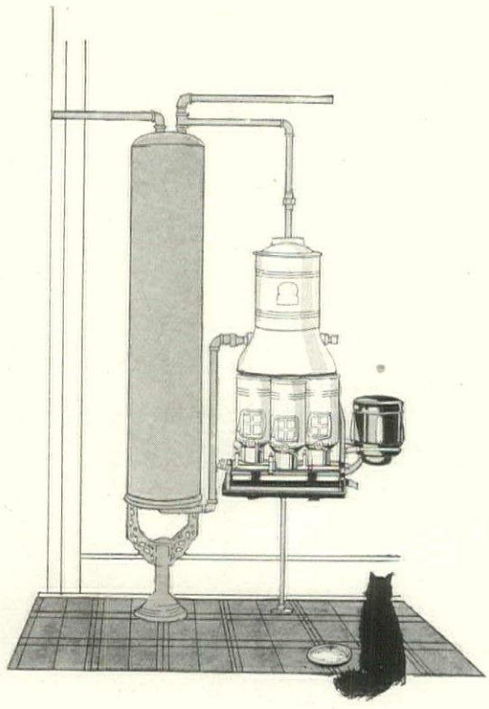
THE ADVANTAGES OF THE OIL RANG

For the Country House Lacking Gas or Electricity the Modern Oil Stove Is Safe, Speedy and Serviceable

ETHEL R. PEYSER

WHAT makes it possible to live in gasless, electricless, coal-less, transportationless places in gustatorial ease and digestive comfort? The oil range. Not the old-time messy oil stove, but the efficient, capacious oil range. In districts unopened to modern improvements cooking is made a pleasure rather than drudgery, with this highly effective medium, so effective that nothing that can be done on any other type of stove need be omitted in the daily routine. It has the maximum comfort and the minimum cost and trouble. This range too need never be lighted until wanted and can be "put to bed," immediately upon finishing the meal. So now there need be no place where man can not have his puddings, his breads, or his flap-jacks with speed and finish.

The two most important types of oil stoves with which it is worth your while to become acquainted are the wick and the wickless (kindler type). It is quite evident from their descriptive titles that the former employs a wick as heat carrier to the vessel in which is the food; and the wickless has the kindler by which the heat is carried to the food in a different way.



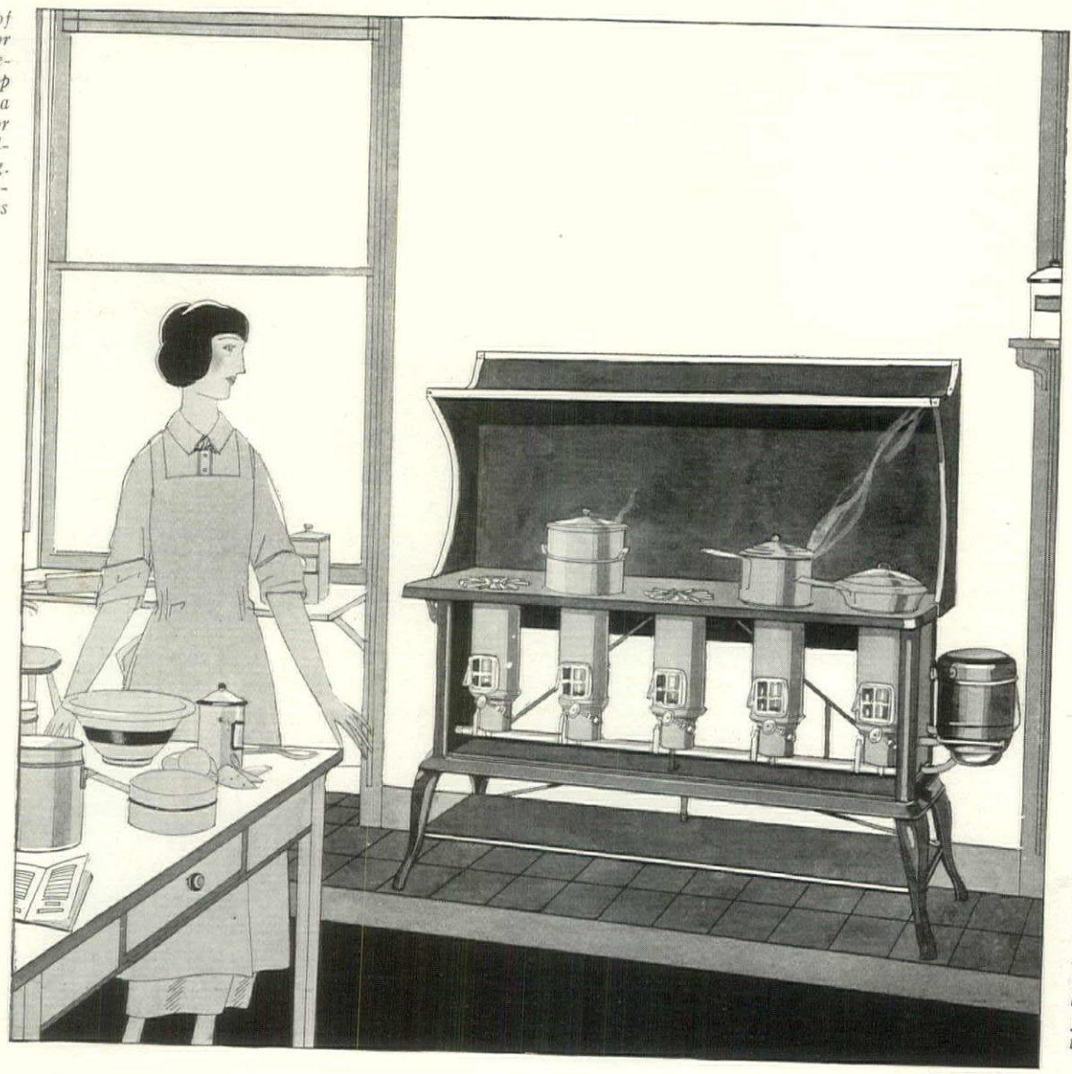
The wick oil range is a development bo directly of the lamp. It employs the rou wick and with it in its best form a long chi ney is used. This long draught chimney h proven in the case of the lamp to make f perfect combustion of the oil. Hence aft many years of trial and proof the wick sto is developed to a delightful point of comfo and utility. Speed, lack of odor and perfe work, three necessities of any stove, are he exemplified, to say nothing of longevity ar ease of upkeep.

You have probably used the heat from lamp chimney to light a cigarette or a matc or even to heat a curling iron? Well, this really the principle of the wick stove. Th heat has been harnessed and petted into cook ing usefulness by expert heat and stov engineers.

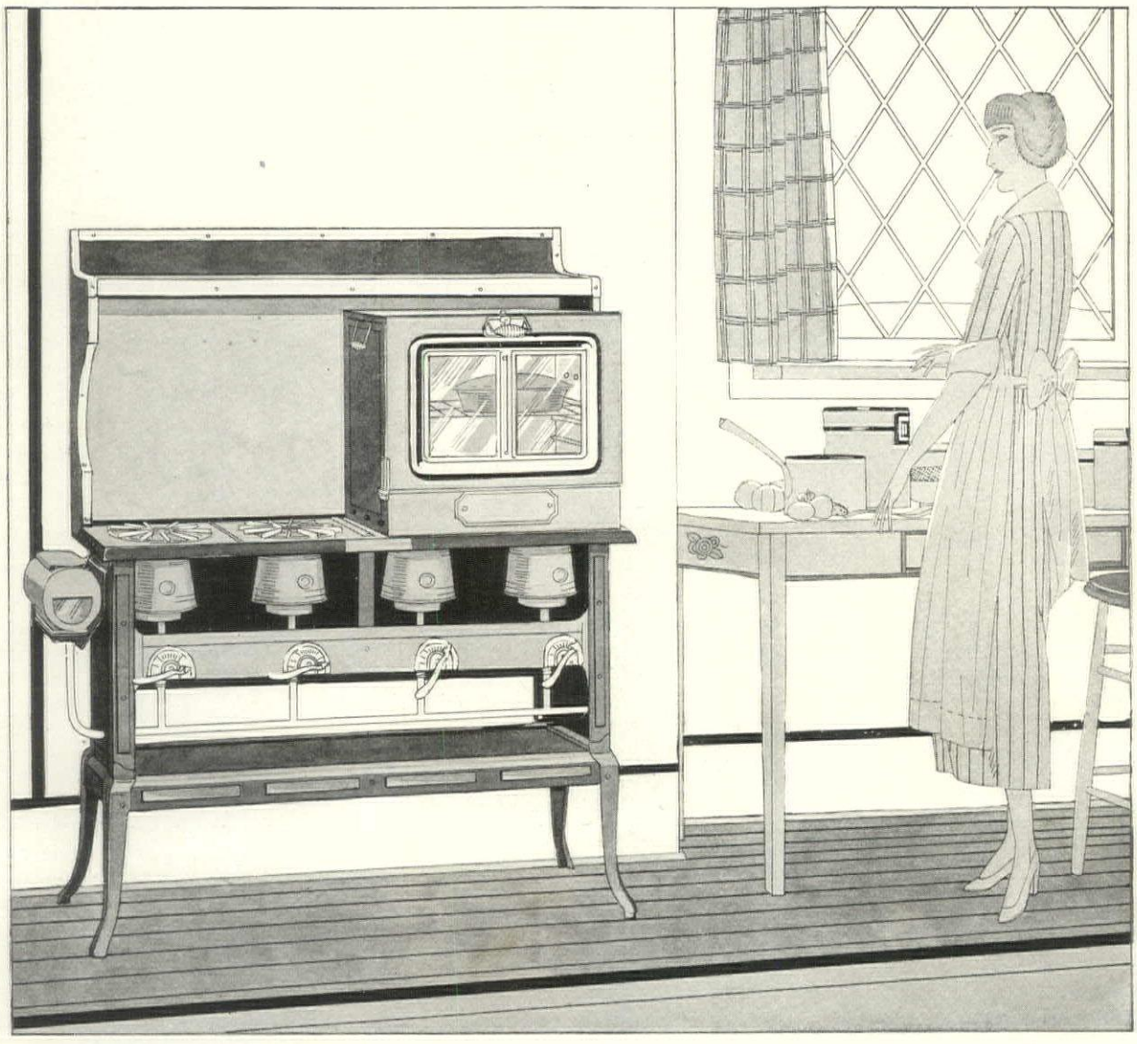
The parts of the wick stove with which yo must be acquainted are few but important:

1. The burner
2. The wick
3. Flame spreader
4. Brass wick tube (a fine feature, in tha it is of brass)
5. Clamp set screw.

There are a number of kinds of oil heaters for hot water. This three-burner type is set up beside the boiler at a height convenient for observation, wick adjustment and cleaning. Courtesy of the Cleveland Metal Products Co.



For a large family comes this five-burner range with back and shelf above, 64½" long. An oven can be placed over two of the flames, leaving the others free for work. Courtesy of the Cleveland Metal Products Co.



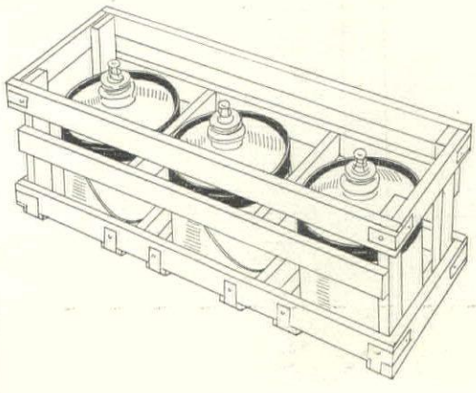
The wickless oil range carries the heat directly to the cooking vessel. The stove is lighted by applying a match to a kindler, an asbestos ring lying in the burner bowl on top. This furnishes heat and starts the vaporizing of the gas. Courtesy of the Central Oil & Gas Stove Co.

6. Hand wheel to adjust screw
7. Little mica door which opens in chimney instead of having to pull off the chimney as you do in lighting a lamp.

All you have to do then is apply the match and touch off the wick at several places. Then lower the wick until the flame is even.

To extinguish the flame, turn the little wheel to the left. *Never blow it out.* This blowing out of the flame causes all sorts of irregularities and real troubles.

The oil range is supplied in the best types by gravity conduit. That is to say that the oil flows from a reservoir into the burner, and as the oil is consumed the fresh oil flows down and takes its place, so there can never be the overflow to cause fires or odors. These reservoirs are of glass and in one case the manufacturer has a service of reservoirs which supplies the consumer with a rack of three filled reservoirs, which in turn replaces the emptied one. This obviates entirely the need of the cook to pour oil in the reservoir or in fact know she is using oil! The reservoirs of course are delivered and called for, if you are in reach of a dealer. Where this service is impossible to be had the pouring of the oil into the tank is simpler than simple. It is no more difficult than pouring milk into a glass. In truth the reservoir is mechanically adjusted and filled with oil—the human being but its guide and beneficiary.



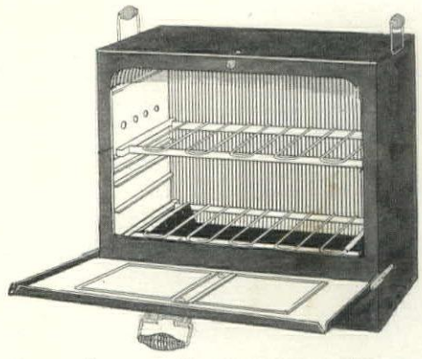
The service outfit, which obviates handling the oil, can be filled and delivered by a dealer. Courtesy of the Cleveland Metal Products Co.

The heat wanted in the wick stove depends on your culinary need and consequently on how high or how low you turn the wick. Very often it means when the flame burns low when it should burn high that the wick needs cleaning. Don't blame the mechanism. It is difficult to say how often you need to buy a wick or how often it should be cleaned, as it depends very much on the quality of the oil that you have to use. Some kerosene is charry and some more free from impurities than other kinds of kerosene

Here are some points to observe if you want good results.

1. If there is a gap in the flame, the wick needs cleaning. There should be a continuous round fence enclosing the burner around the flame spreader. Or it may mean the wick is up against the flame spreader.
2. Be sure that the wick is not up against the flame spreader after lighting, because it will prevent the air from passing through the center of the brass wick tube and cause over-heating of burner and a murky flame.
3. The flame when high should show white points above the blue body of the flame. These white points should be about 1¼" for perfect combustion. That means that there will be no odor and that you will get all the heat you need and no waste of fuel.
4. The flame has lost its usefulness when the line of demarcation between the white and the blue is gone. The flame will begin to smoke, the burner be over-heated, the cookery under-heated, and odors and smudge will be the result. Here again the human equation comes in. Use your eyes effectively.
5. Cleaning wicks is done by removing the chimney even as you do in cleaning

(*Continued on page* 110)



Among the many oil stove ovens on the market is this type for two burners, which has a one-motion locking device on the handle

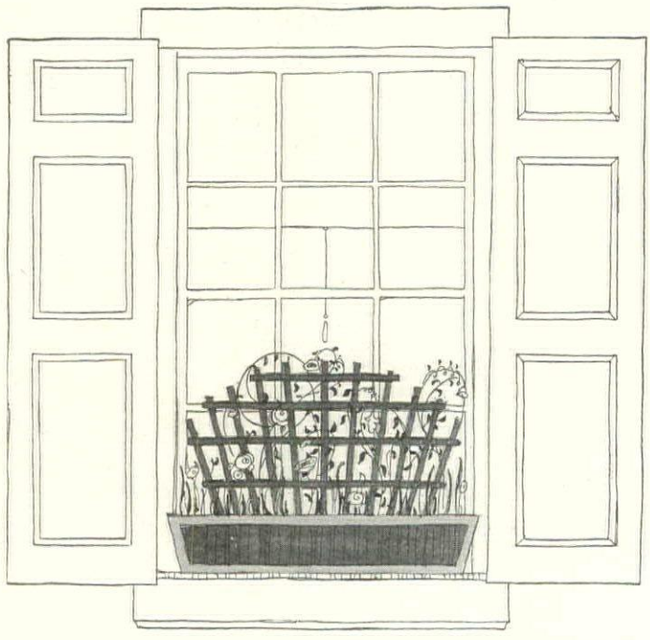
WINDOW-LEDGE GARDENING THE YEAR AROUNI

By Taking Due Thought and Care the Windows of the House Can Be Kept Filled with Growing Plants Through All the Seasons

JOSEPH H. SPERRY

TO have gardens on our window-ledges throughout the four seasons, whatever point of the compass they may face, is quite possible. But to make this potentiality a reality, we must be willing to learn the conditions necessary to success, and to make these conditions the basis of our window-ledge gardening.

The first question which confronts us is what kind of box to use to contain the plants. Boxes made of wood are, perhaps, most used, and possess many advantages. Plants thrive in these; they are inexpensive, and easily constructed of a size to fit the window-ledge. They may be painted green to match the color of the vines trailing over their sides, or other color to match the color of the house or harmonize with it. They may be painted and sanded, when used on the window-ledge of a concrete or stone house; or given a rustic appearance by covering their sides with pieces of cedar, white birch branches or bark, or with pieces of gnarled branches or roots of mountain laurel. Boxes may be made of concrete or cast stone, plain or ornamented with appropriate designs.



A variation of the usual window box planting is the addition of a small lattice on which vines can grow, forming a higher and more substantial screen than plants alone

Sometimes boxes are made of tiles arranged in panels, and ornamented with figures of plants in colors. Ornamented tile boxes have copper corner pieces and their edges are finished with the same metal.

Inexpensive boxes are often made of galvanized sheet iron or steel. These are usually painted.

Of whatever material we construct our window-ledge boxes, we make them 6″ to 8″ or if possible 8″ to 10″ wide and of the same depth, and of such a length that they fit snugly on the ledge outside our windows. Several ½″ holes should be in the bottom of each box to provide drainage. A piece of broken flower pot placed over each before the box is filled will keep the soil from clogging the openings.

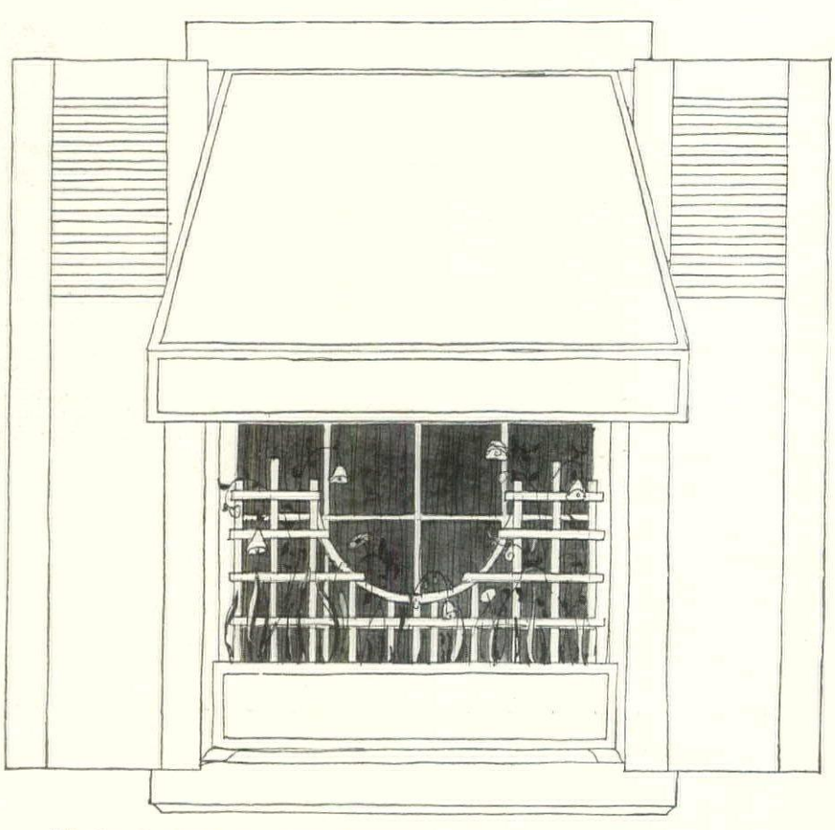
Having placed the boxes, we fasten them there so securely that they cannot possibly fall off. Sometimes this is done by using strong steel hooks and eyes. Two eyes are screwed into each end of the box and the two eyes which are attached to the hooks are screwed into the outside of the window frames in such a position that the hooks may be caught into the screw eyes which are in the ends of the box. Another method is to turn a long thick screw from the inside of each end of the box outward into the upright part of the window frame. When the ledge slants outward we place a strip o wood, reaching lengthwise from end t end, on the outer edge of the ledg so that the box, when placed, may stan level. Boxes in upper story window we set in iron trays galvanized an painted to catch any water drippin from the boxes.

If one lives in the country, the prob lem of making a compost with whic to fill the window boxes is easily solve Rich top soil from the grain or potat field, well rotted stable fertilizer an pure ground bone are the ingredients One part stable fertilizer to three part of the soil, with one quart of the bon added to each bushel of soil and ferti lizer combined and the whole mixe thoroughly and allowed to stand a fe days before using is about right. I the city one can sometimes obtain to soil from some nearby plot where th ground is being broken up for a build ing, and shredded cow or pulverize sheep fertilizer and ground bone fron a seed store. When not able to obtain this top soil, get a suitable compost from florist or seedsman who keeps potting and win dow box soil for sale. An enthusiastic win dow-ledge gardener will always obtain a suit able compost for his boxes from some source

When setting out plants in the boxes the soil should be worked in well around each and made firm throughout the entire box by pressure of the hands. When this is finished, the soil is ½″ to 1″ below the top edge of the box and a little lower in the center than at the edges. This allows you to water the plants freely without running the water over the top of the box.

Good flowers for early spring are Dutch hyacinths just coming into bud and taken out of 4″ pots, using such combinations of color as harmonize and suit individual tastes. Sometimes daffodils, tulips and crocuses out of pots are used. Pansies, too, give an unsurpassed study in colors. The prim little English daisies, the pretty little forget-me-nots, Belgium's national flower, the moss pink (*Phlox subulata*) are all satisfactory in spring boxes. For a larger and showier plant the beautiful hydrangeas are excellent. All of these plants are transplanted easily from pots into the win-

(*Continued on page* 134)

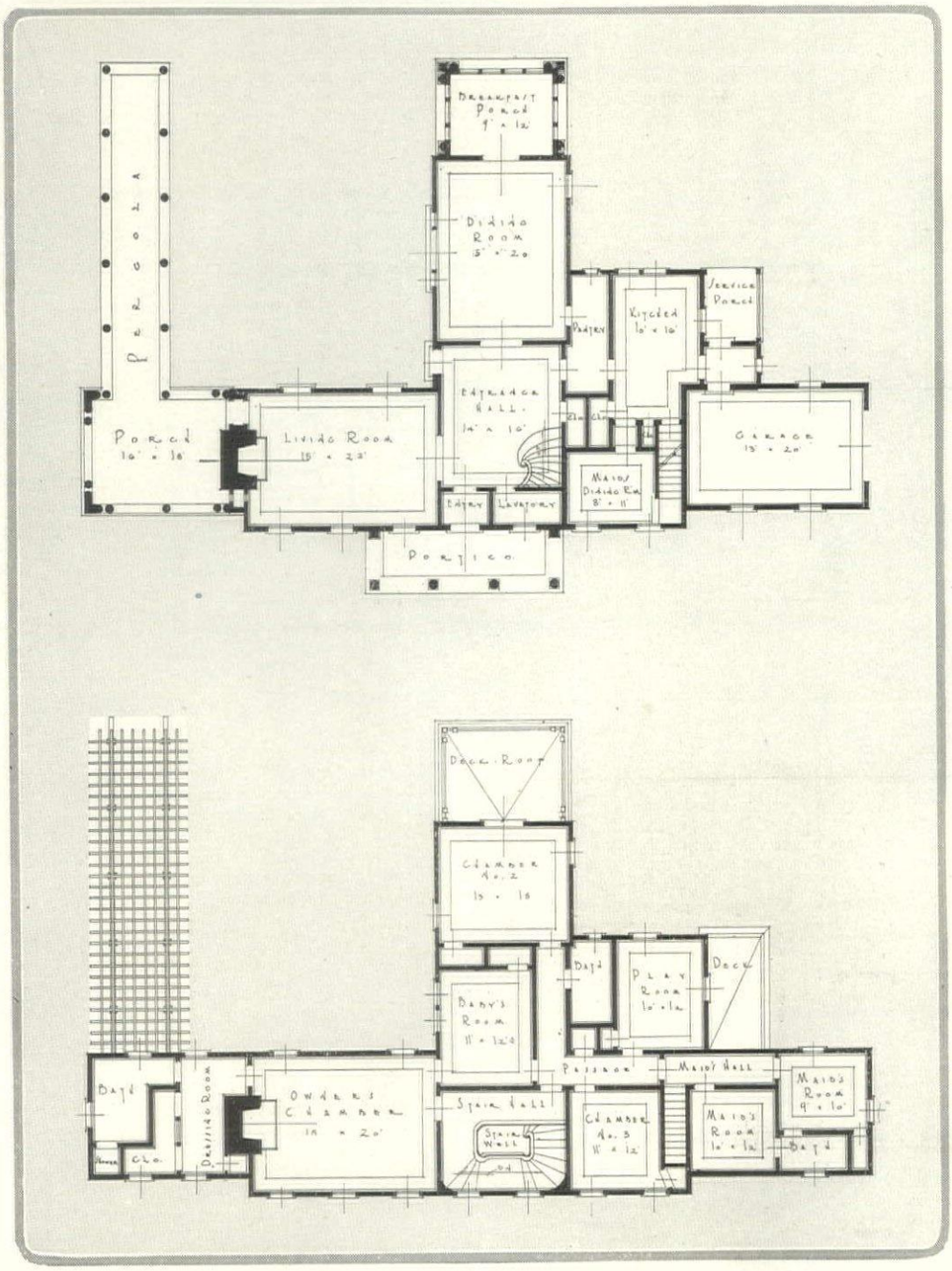


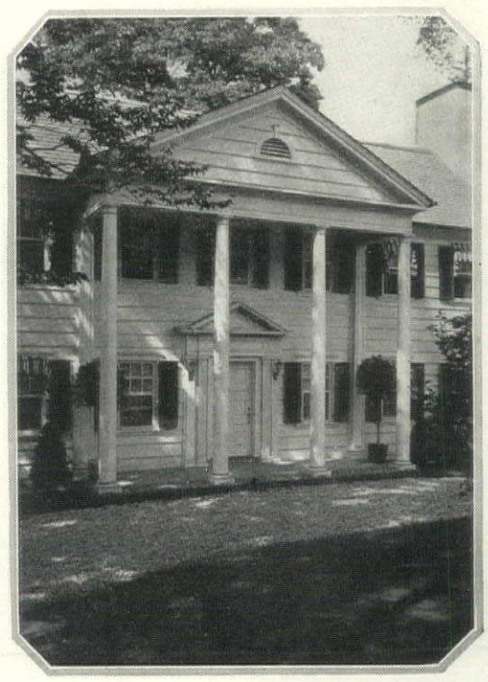
The box should fill the window-ledge from end to end. A width and depth of 6″ to 10″ will give good root room and permit the growing of a variety of well selected flowers, foliage plants and vines



Gillies

The home of Weymer H. Waitt, Ardsley, N. Y., is Southern Colonial, built of shingles painted white, with blue-green blinds and green slate roof. Chester A. Patterson, architect





A high porticoed entrance gives the front façade fine dignity besides creating a brick porch and approach to the entrance door

Although the lot is small, much has been accomplished by planning the house around a garden enclosed by an arbor and a wing

A GROUP OF FOUR MEDIUM HOUSES

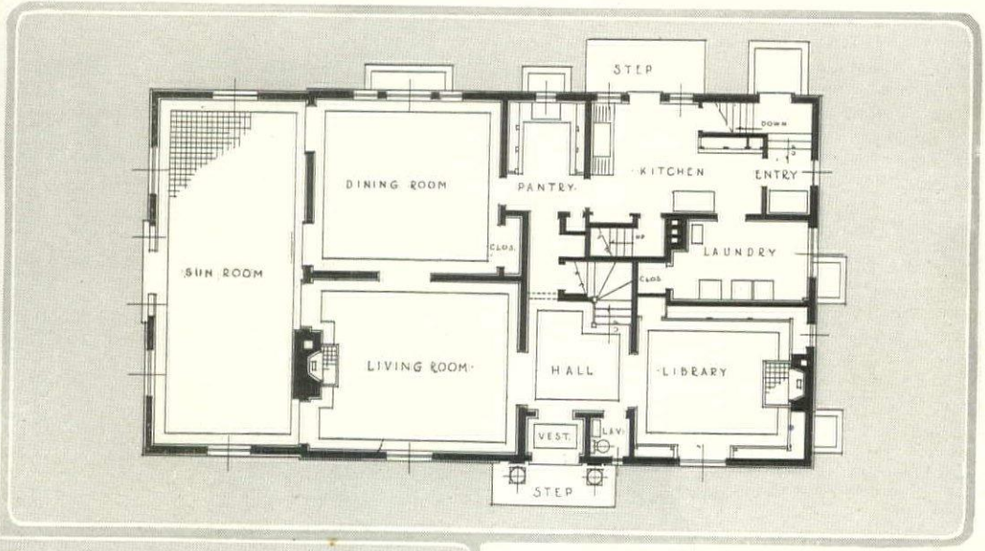


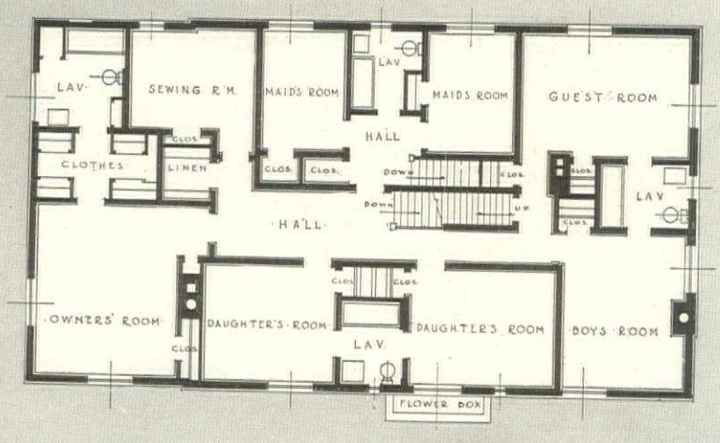
Gillies

The home of Nash Rockwood, at Riverdale, N. Y., fits substantially into its setting of tall trees. Its somewhat severe lines are at once softened and made more effective by the foundation planting which, as is usually best with a house of this character, consists of evergreens of varying forms. Dwight James Baum, architect



Flanking lattices and slender cedars set off the entrance whose classical feeling is continued into the flower box above. Perfect balance obtained throughout



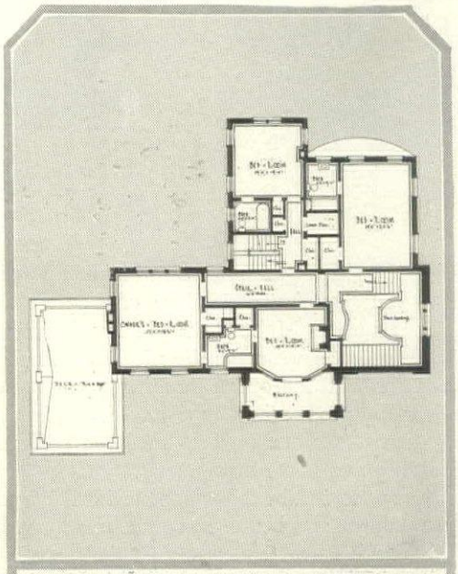


The first floor plan shows four main rooms besides the service sections and the square hall with its adjoining vestibule and lavatory. Open fireplaces in living room and library make for cheeriness on winter evenings. The sun room gives directly on the side lawn

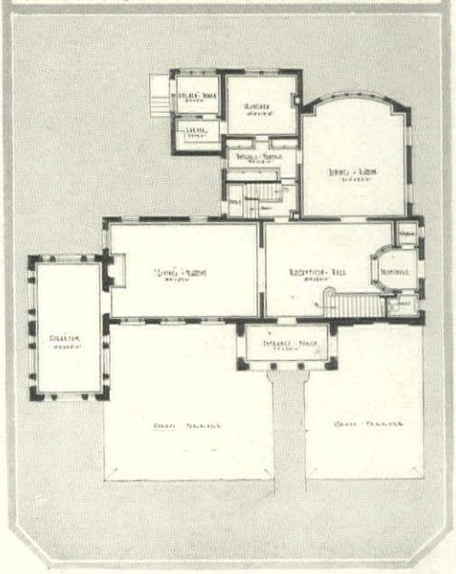
Simplicity of arrangement and consequent utilization of space are evident on the second floor. The family's rooms occupy the whole front and connect with the same hall. In all there are seven chambers and four bathrooms, with a sewing room in the rear



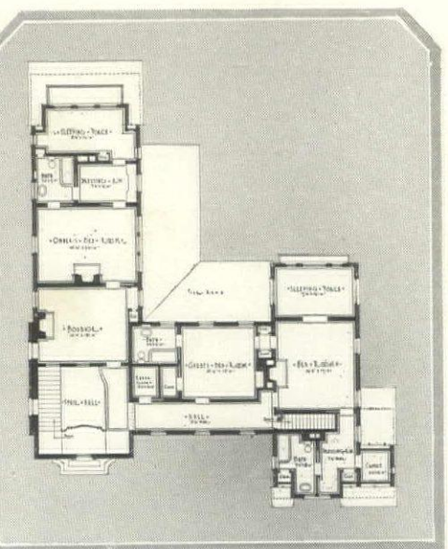
Climate is often a deciding factor in architecture. Designs are adapted to suit local climatic conditions. Thus, in this home of Edgar L. Flippen, at Dallas, Texas, the Italian style has been used with local modifications. It is stucco over hollow tile. H. B. Thomson, architect

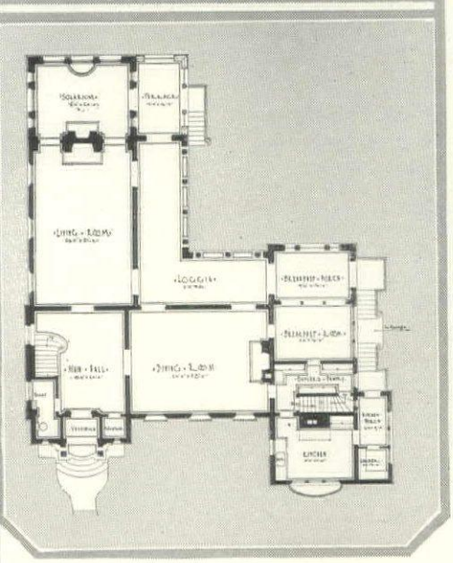


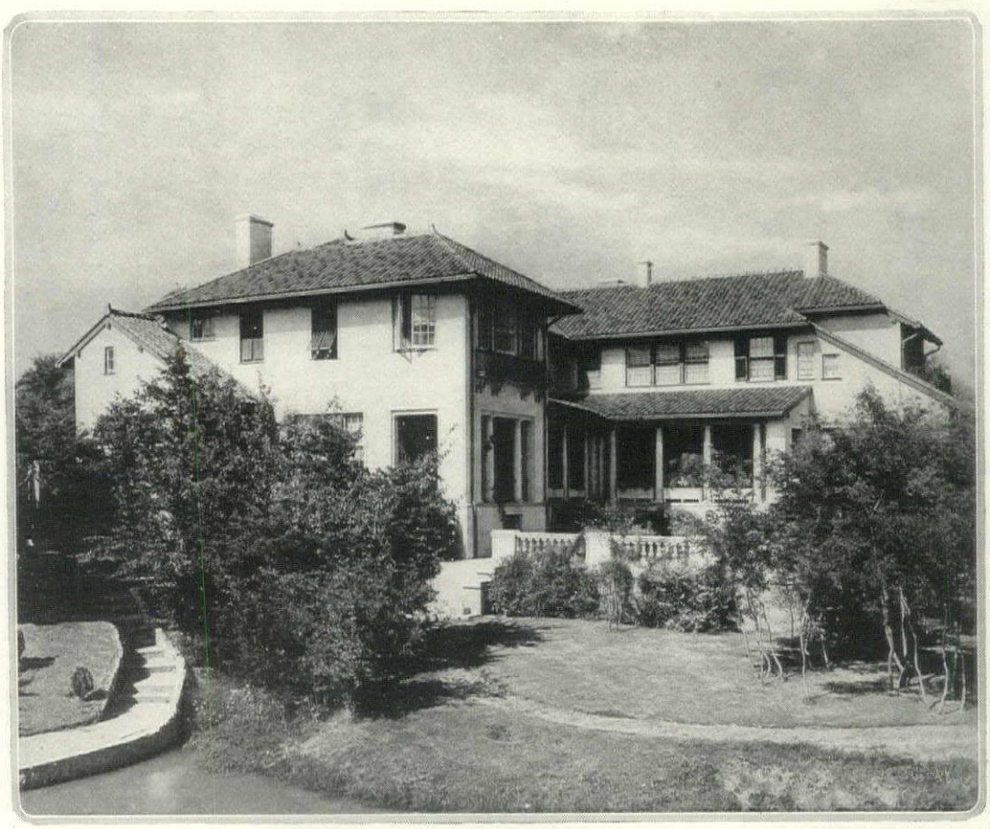
On the first floor the plans of the Flippen house show a large reception hall with the stairs in one corner close to the side entrance. The disposition of the rooms is unusual. Upstairs the arrangement of rooms in suite and their location are both uncommon and practical



Based on an L, the plans of the Light house show on one side a long living room with solarium, and dining room and service on the other, a loggia connecting them. On the second floor a long corridor between stair hall and service stairs is a feature







The residence of George E. Light, at Dallas, Texas, is reminiscent of Spanish architecture in its red tile roof, balconies and loggia. Its walls are of hollow tile faced with stucco. A wide overhang of the eaves gives the walls a deep shadowing. H. B. Thomson was the architect

HOLLOW TILE AS A BUILDING SAFEGUAR

Its Strength, Insulating Properties, Resistance to Fire and Other Characteristics Commend It to the Discriminating House Builder

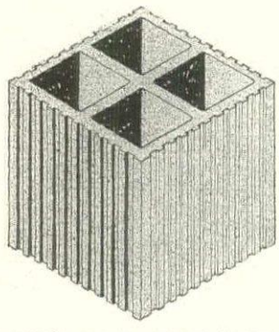
HENRY COMPTON

HOLLOW building tile is a definite product of America's love of comfort and luxury. Much as we esteem beauty in our houses, as we crave the picturesqueness of centuries-old European architecture, we are not willing to sacrifice to any esthetic phase of life our luxurious modern methods of house building and home fitting.

It was to insure this complete ideal of perfect comfort and health in our houses that hollow tile construction was invented, and the hollow tile has given us a new idea in building structures—a wall of stability and strength, easy to lay up, and with its succession of air chambers inherent in the construction, a protection against cold, heat and moisture.

This idea is so wise and yet so simple, as are all great ideas, that it is difficult to imagine why its discovery was delayed so many centuries. But most significant inventions have come about in answer to a great need, just as great generals are born for fearful wars, and important statesmen—but here we are a little off the track.

Undoubtedly, the increase of luxurious living in this country, the demand for sanitary perfection in every detail of our homes, has brought about this fine type of new home building known as hollow tile. And having finally accepted this method of construction we have, of course, gone a step farther and



One of the standard shapes of hollow building tile used for wall partition or floor construction

added to wisdom and comfort, outer walls with surface of great beauty; as, for instance, the rough textured stucco over hollow tile, the smooth, beautifully tinted cement and the brick veneer with its varieties of surfaces and colors.

In our illustrations we are showing the various ways of laying up hollow tile, including the interlocking tile; also the use of a brick veneer over hollow tile. And these drawings are all well worth studying if y are going to build.

Hollow building tile as used in mod residence construction is an evolution from fireproofing shapes of tile which were dev oped in this country following the great C cago fire. The first two or three plants w kept busy by the Government's demand this new fireproofing material in federal bui ings. From this start its use rapidly increas and it is today a recognized standard fi proofing material for our large steel structur

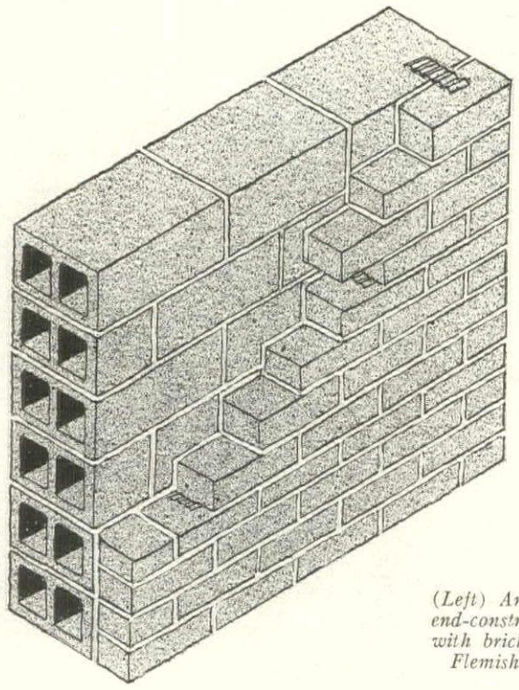
Hollow building tile or structural tile somewhat heavier than tile used for firepro ing, and is burned much harder. A stan ard 8″x12″x12″ structural tile weights thir four pounds as against thirty pounds for same size fireproofing tile.

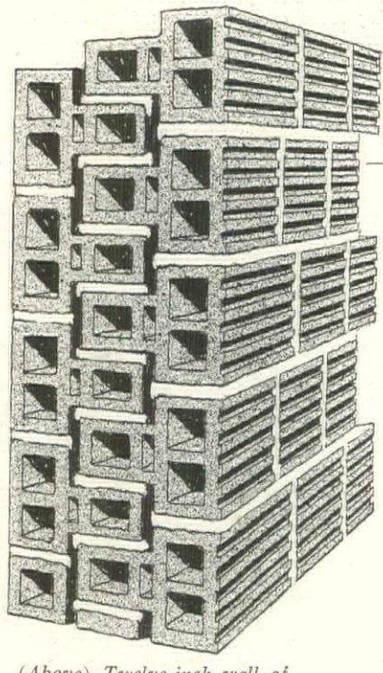
Hollow building tile is manufactured fr fire clay, shale clay and in some instances su face clay. The clay is ground, mixed w water into a plastic mass and molded to t required shape. It is then burned at te peratures ranging from 1700 to 2400 degre depending upon the fusing point of the cl that is used. As a fire in a residence rare if ever exceeds 1700 degrees, its fire-resisti qualities can be readily appreciated.

Following are given briefly the reasons w these tiles are used extensively in residen construction:

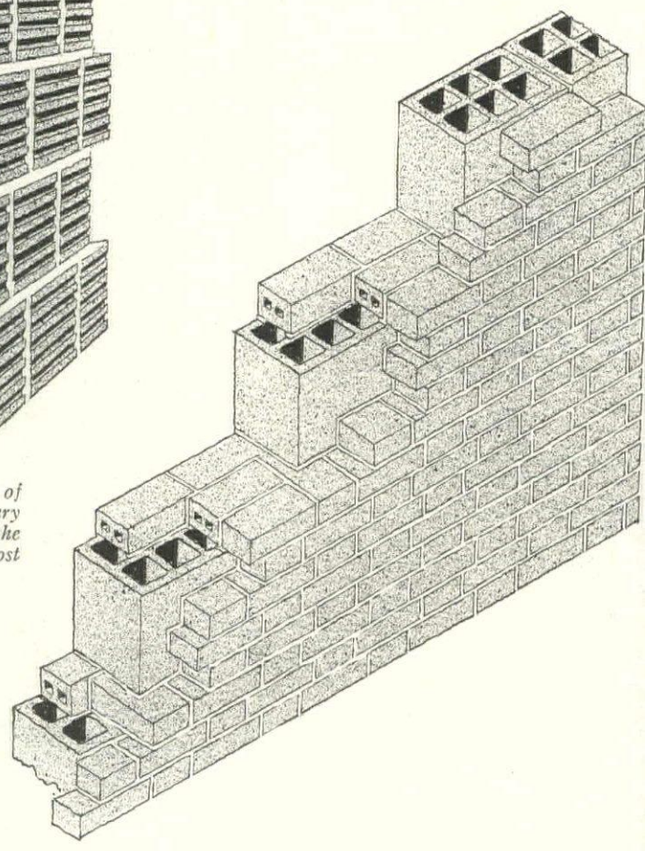
(*Continued on page* 138)

Eight-inch tile wall showing side construction with brick facing, also bonding with metal ties recommended for light structures





(Above) Twelve-inch wall of interlocking tile showing every vertical web directly over the vertical web below, a most durable construction

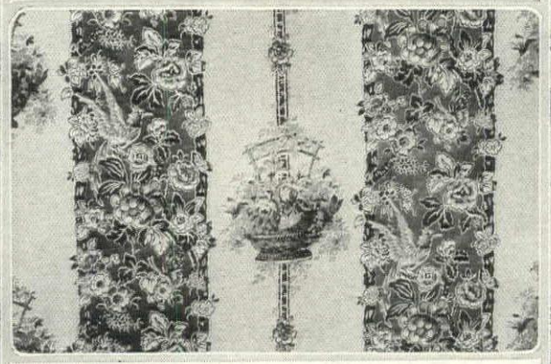


(Left) An eight-inch tile wall with end-construction tile cut to bond with brick veneer. Brick laid with Flemish bond and brick headers

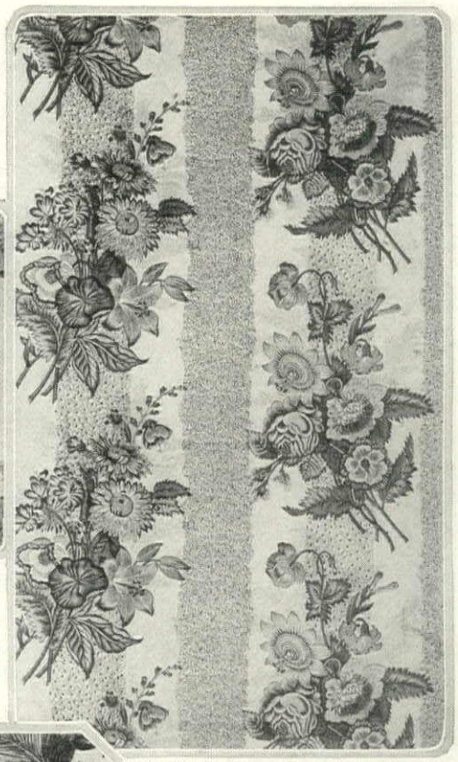
GAY CHINTZES *for* NEW CURTAINS

They may be purchased through the House and Garden Shopping Service, 19 West 44th Street, New York City





A cream ground and broad stripe in old blue serve as background for a colorful design in rose, tan and black, 35″ wide, 65c a yard

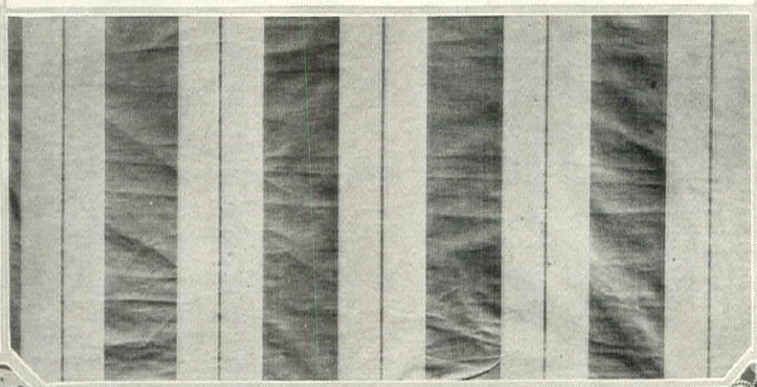


In a Colonial country house, this striped chintz would make charming hangings against white walls. The brilliant blue vases on a cream ground hold blue and pink flowers. The other stripe is a brilliant blue. It comes 33″ wide and is priced at 75 cents a yard

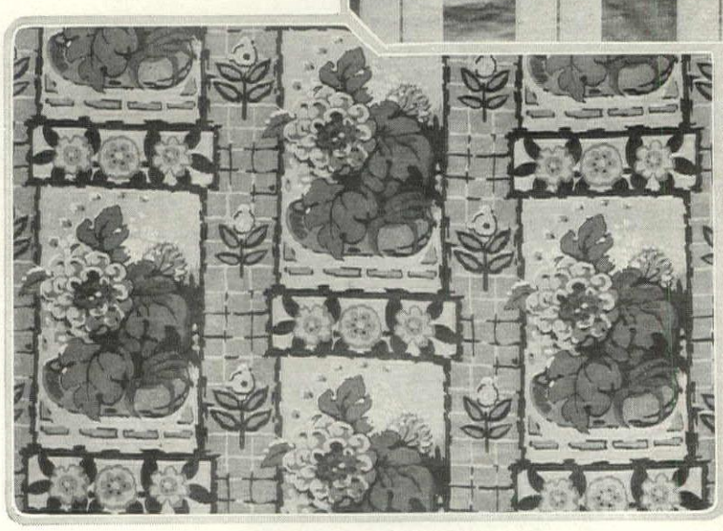


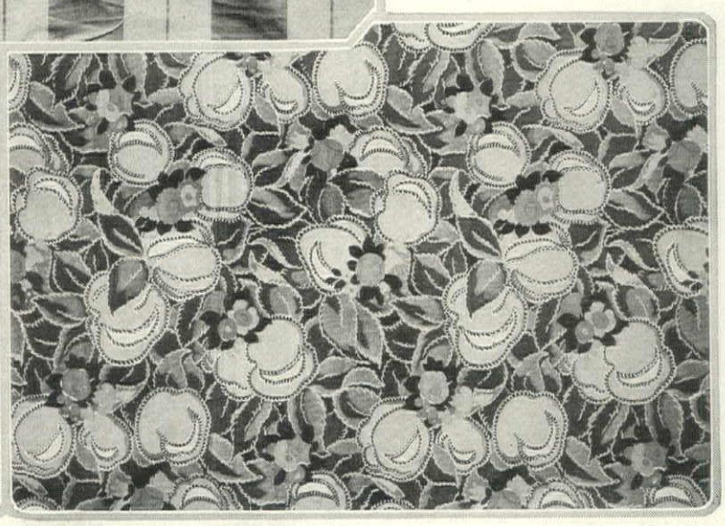
An unusually beautiful chintz, formal enough for a country house living room, has a ground of deep buff. Old-fashioned flowers in soft shades of blue, green, lavender, tan, rose and yellow make an especially pleasing design. It comes 50″ wide and is priced at $4.50

(Above center) This gay chintz comes in different color combinations. Rose red, mauve and a little green are on a cream ground. An old blue ground has a design in rose while particularly striking is the black ground with figures in rose and blue, 36″, 45c



(Left) Sometimes an interesting effect may be obtained by combining a striped fabric with one of an all-over design. This duo-tone glazed chintz comes in all colors and would be especially good used in combination with a flowered cretonne. 50″, $3.50





A remarkably inexpensive chintz suitable for a living room is tan with a gray stripe and the design in rose, mauve, black and green. It may be had also with a brown stripe and flowers in blue, green and mauve. 36″ wide, 35 cents a yard

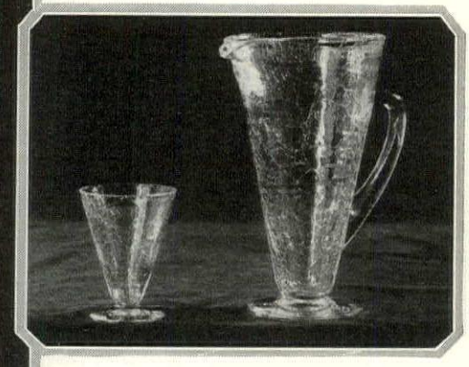
An effective all-over design is deliciously cool and fresh looking with its green ground and little bunches of fruit and flowers in rose, blue, yellow and brown. It would make delightful slip covers or curtains. 31″ wide, $1 a yard

FURNISHING THE PORCH

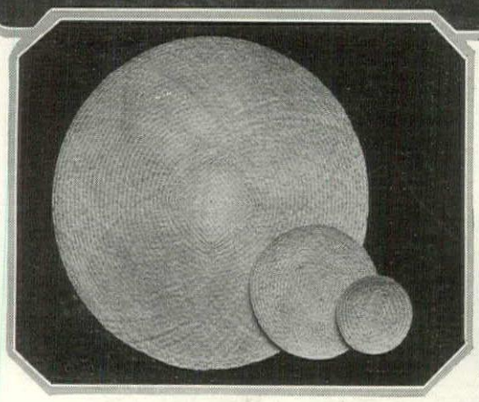
The articles on this page may be purchased through the House & Garden Shopping Service, 19 West 44th Street, New York City.



The Chinese rattan chair above with its comfortable arm rests is $10.75. *An hour-glass table to match 24" high and 19" across is* $12



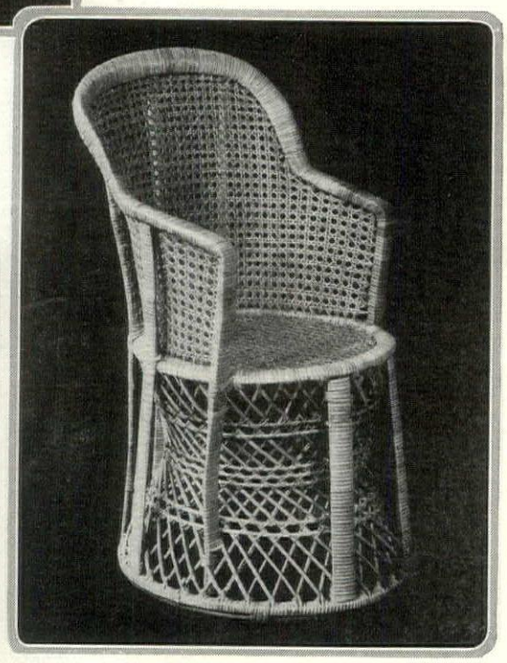
A graceful crackle glass ice tea pitcher holding three pints is $4. *The glasses to match are* $10 *a dozen*



Most usable on a porch is this thirteen piece luncheon set of Chinese straw in natural color. The centerpiece is 25" in diameter, the doilies 10" *and* 6". $5.50 *for the set*



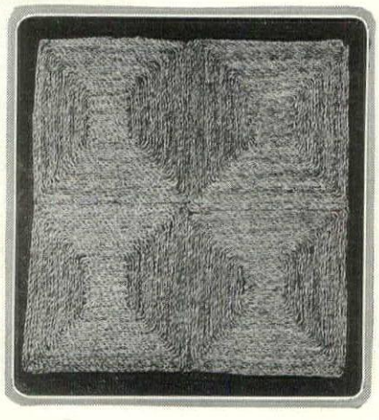
(Right) This low, comfortable tub back chair with its decorative black motifs and interesting cane work is $10. *The seat is only* 14" *from the ground*



Furniture of durable Canton rattan is excellent for outdoor use. It may be used on the lawn as well as the porch as the hour-glass shape prevents it from sinking into the ground. The chair above is $9.75



It is often effective to use a piece of painted furniture on a porch in combination with wicker. The graceful chair at the left is black with antique yellow decorations and has a splint seat. It may be had in other color combinations. $8.94



Formosa fibre rugs in natural color, excellent for porch use, come in squares, 19½" *x* 19½" *for* $1 *a square. These are sewn together making any size rug desired and are very smart on stone or cement floors in connection with wicker furniture*

ICKER FOR THE UMMER HOME

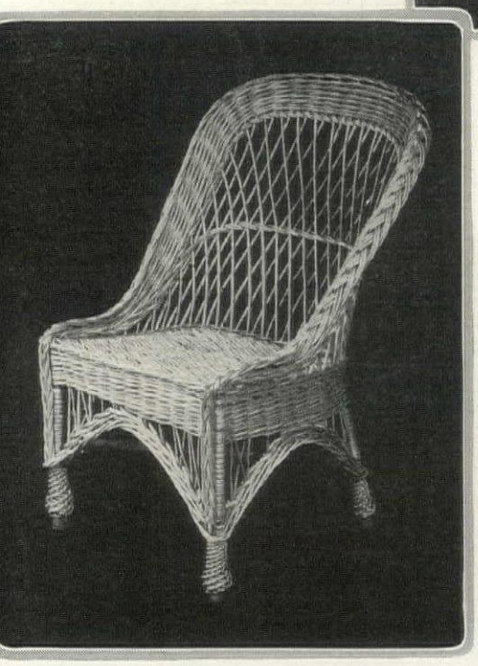
h May Be Purchased Through the House arden Shopping Service, 19 West 44th Street, New York City.



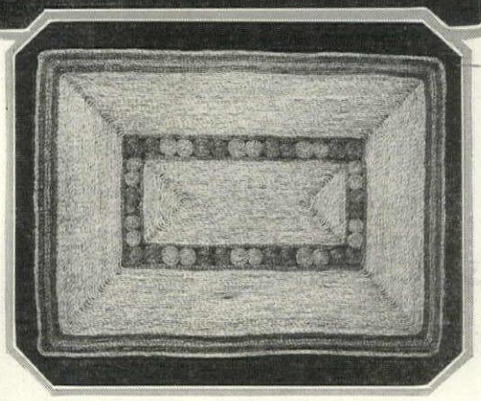
Japanese brown bamboo fruit or flower baskets are charming on a porch. They vary in size and shape and cost from $2 to $3.25



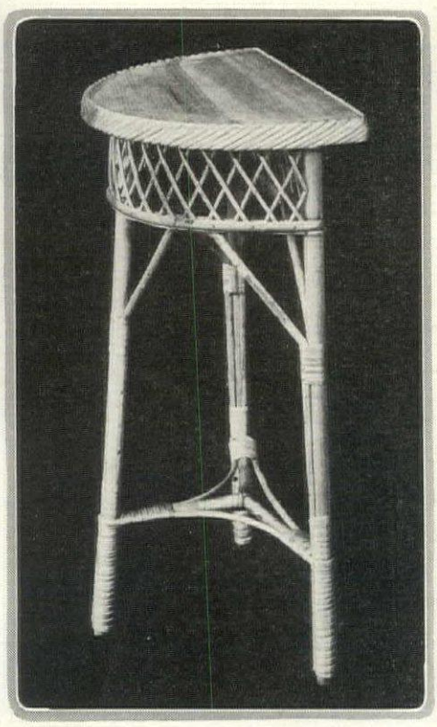
No porch is complete without a comfortable chair of this type. It is Chinese rattan and has an adjustable back and sliding foot rest. $23.50



Willow should be stained or enameled some attractive color. The comfortable low chair above might be done in apple green and upholstered in gay chintz. In natural finish $9.74, stained $10.48, enameled $12.24



Attractive rush rugs with colored decorations are priced as follows—4′ 8″ x 6′ 8″, $9; 6′ x 8′, $14.50; 9′ x 12′, $29.50. Other sizes on application



A practical little couch end table in natural willow is $9.24. Stained any color $10.48, enameled $11.94. 25″ high, the top 18″ wide

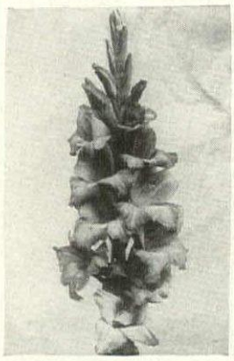


Tea in a garden would be doubly delightful if served on this practical tiffin table. The removable bamboo trays are very strong and light and the stand can be folded up and tucked away when not in use. 25″ high, the top tray measures 26″ across. $16



If well upholstered, willow furniture becomes as comfortable as the overstuffed variety. The low deep seat of this chair makes it unusually desirable. Stained any color $23. Upholstered all over with down and covered in cretonne $10 extra. With seat and back cushions only, $4 extra

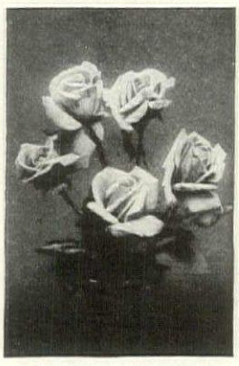
May — THE GARDENER'S CALENDAR — Fifth Mont



Diener's American Beauty shows the color of that name, and creamy yellow. Richard Diener Co.



Tree wounds should be attended to promptly, cutting away the ragged bark and painting



A bright, true yellow that lasts well characterizes Souvenir de Claudius Pernet. Totty

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
The full streams feed on flower of rushes, *Ripe grasses trammel the travelling foot,* *The faint fresh flame of the young year flushes* *From leaf to flower and flower to fruit.* *—Swinburne.*	1. If the weather conditions are settled the warm vegetable crops may be sown at this time. Beans, limas, corn, squash, pumpkins, okra, melons, etc., are all considered warm crops in this respect.	2. The early sowings of vegetables must be properly thinned out; plants that are unduly crowded become thin and spindly and never develop into healthy vigorous specimens. Thin the plants when small.	3. Do not stop sowing those crops that mature quickly, such as spinach, peas, radishes, lettuce, etc. Frequent sowings in usable quantities are the first step toward success. If there is any surplus it can be canned.	4. It is unwise to postpone potato planting any longer if you want good results. Potatoes are a cool crop and late plantings of them, however well cared for, are rarely successful. Use a fertilizer with 1% potash.	5. Crops that are more or less inactive and are not growing well should be stimulated with an application of nitrate of soda or some other strong fertilizing element used in liquid form to bring about quick results.	6. Tubbed plants of all kinds used around the grounds for decoration may be taken from their winter quarters and moved into place now. To maintain growth, these plants should be given liquid manure.
7. All the summer flowering bulbous plants may be set out now. To assure a continuous supply of gladioli, they can be planted at bi-weekly intervals. The rule is to plant all bulbs twice as deep as their diameter.	8. Most of the more common annual flowers may be started out of doors now. Have the soil in which they are to go well prepared far enough ahead so that it will pulverize when being worked. Sow the seed thinly in drills.	9. The edges of walks, flower beds, shrubbery borders, etc., should be trimmed cleanly and neatly with a turfing iron every few weeks through the season. This finishing touch is necessary to complete your grounds.	10. Do not delay cutting the lawn until the grass is so long as to necessitate raking. Good lawns are the result of liberal fertilization and frequent mowing, the latter in some cases twice a week in growing weather.	11. Maple trees should be pruned just as the buds are bursting; there is no danger of their bleeding. Any large scars which may result should be painted with proper tree paint to preserve the wood until the cuts heal.	12. Carnations intended for forcing in the greenhouse next winter can now be planted out in the garden. Have the ground well fertilized, keep them pinched back and see that the soil between them is cultivated.	13. Now that the garden work is in full swing, invite yourself to get acquainted with the use of a wheel-hoe. These implements do the necessary work of cultivation more efficiently and with less effort than any other.
14. Weed killers are very necessary in stone gutters, blue stone walks and drives, and other places where it is unwise to use a hoe. One application now will destroy all undesirable growth for the season.	15. Just before the general flowering season begins in the perennial garden it is good practice to top-dress the beds with bone meal or other concentrated fertilizer. Scatter it on the surface and rake it into the soil.	16. Roses for flowering in the greenhouse next winter should be planted in the benches now. Use a rich, heavy soil for them, firm the beds thoroughly after planting, and top-dress occasionally with raw bone meal.	17. Leaf beetles of various types will soon be at their destructive work. Spray the currant bushes, gooseberries, elms, cherries, etc., using arsenate of lead as the most adhesive of any of the regular poison sprays.	18. Make a small seed bed for the accommodation of late cabbage, cauliflower, kale, Brussels sprouts, etc. These should be sown now. Keep the young plants in separate beds until it is time to plant them out.	19. It is unwise to postpone the sowing of farm crops any longer. Mangles, sugar beets, carrots, turnips, etc., should be sown. As size is the important factor with these crops, early sowing is needed.	20. A barrel of liquid manure in some convenient corner of the garden will be a valuable accessory for treating plants that are not doing well. Alternate applications of this with solutions of nitrate of soda.
21. Leaf-eating insects will also soon be working in the garden. For them a poison spray on the foliage is the thing to use. Cover the squash vines with nets supported on stakes, to protect from squash bugs.	22. Do not neglect to keep up succession sowings in the garden, as advised elsewhere in this issue. Corn, beans, spinach, peas, radishes, lettuce, beets, carrots, chervil, cucumber, cress, kohlrabi and turnip are all timely.	23. A few dead flower stalks will make an otherwise good garden appear very ordinary. Keep the tall flowers supported with individual stakes, the grass edges clipped, and remove old stalks.	24. Dahlias may be planted out now. Make deep holes for them, setting the plants several inches below the grade to allow for filling in the soil as they grow. Use a little sheep manure or bone meal in the bottom.	25. If the weather is dry you will be troubled with the attacks of green fly and other plant lice. Peas, lettuce, egg-plant and other soft foliage plants are especially susceptible. Spray with strong tobacco solution.	26. When the various fruit trees are in bloom they should be sprayed with a combination of Bordeaux mixture and arsenate of lead. This will destroy the various insects that ruin the fruit, catching them as they hatch.	27. Keep the ground between the potatoes constantly stirred, and look out for the potato beetles. If any are in evidence, spray with arsenate of lead. Bordeaux mixture along with the lead will prevent attacks of blight.
28. If the weather appears settled, the bedding out of geraniums, cannas, salvia, coleus and other bedplants may be started. If a delayed cold spell should come along, cover the plantings with old sheets.	29. After they have finished flowering, but not before, the lilacs, syringas, deutzia, forsythia, spirea, snowball, pearl bush and other early flowering shrubs should be pruned. Cut out the old, unproductive wood.	30. Winter celery may be sown now. Make a seed bed for it and sow broadcast. When large enough to handle, dibble the little plants off into well prepared soil. When they are 4 inches tall you can plant them out.	31. Formal evergreens and hedges should now be clipped. Hedge shears are the best tool to prevent any voids in the trees. Branches and tips that have been burned by the sun can be removed with the pruning shears.			

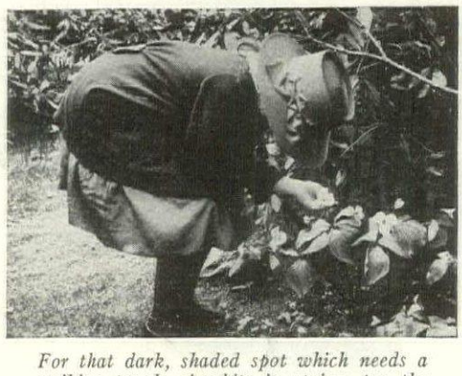
This calendar of the gardener's labors is intended as a reminder for undertaking all his tasks in season. It is fitted to the latitude of the Middle States, but its suggestions should be available for the whole country if it be remembered that for every one hundred miles north or south there is a difference of from five to seven days later or earlier in performing garden operations. The dates given are, of course, for an average season.

WAL, the smell season's come 'round ag'in, an' I'm durn glad of it. It allus chirks me up when spring gits far enough along so's I can go sniffin' 'round like a putterin' old rabbit-dog, huntin' fer them sweet smells that wander along through the air, goin' nowhere partic'lar an' comin' from nobuddy knows where less'n he's trailed 'em back, some time.

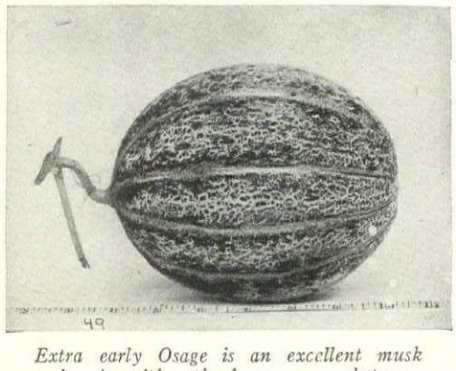
If ye're a good smeller ye'll find plenty to keep ye interested. They's the smell o' young grass an' dandylions layin' in the sun, fer instance—mighty faint, but warm an' green, like. Er the lilocks on a June mornin' rich an' overflowin' same as their flowers. They ain't no smell in the world that carries ye back acrost the years quicker'n that 'cept mebbe the sweetness o' hay in a still July noon-time. Honeysuckle, too, 'specially at night when the moon's up. An' the orchard in October, spicy an' full o' fruit afore the sun sucks up the frost. Even new-plowed earth's got a mighty comfortin' sort o' scent.

Best of all, though, I like the smell o' trailin' arbutus, driftin' through the sunny April woods—it's so clean an' shy an' wild. They ain't been a spring fer seventy year that I h'ain't waited fer the first sniff o' arbutus to tell me the winter's really over, an'—wal, I'd kinder like to have it growin' near by when I'm laid away.

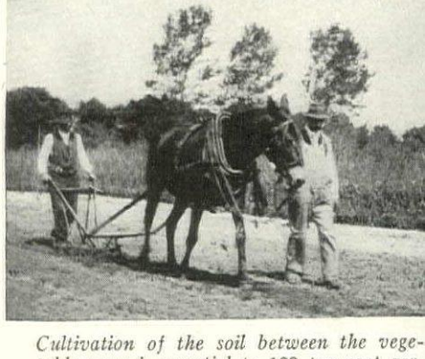
—Old Doc Lemmon.



For that dark, shaded spot which needs a striking touch of white in spring, try the trilliums. They are hardy perennials which fit especially well with rhododendrons



Extra early Osage is an excellent musk melon for either the home or market garden. It is of medium size, with salmon colored flesh. Jerome B. Rice Seed Co.



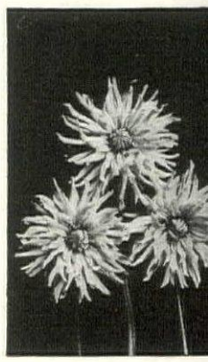
Cultivation of the soil between the vegetable rows is essential to 100 per cent garden results. For small home gardens, use a wheel-hoe for this work



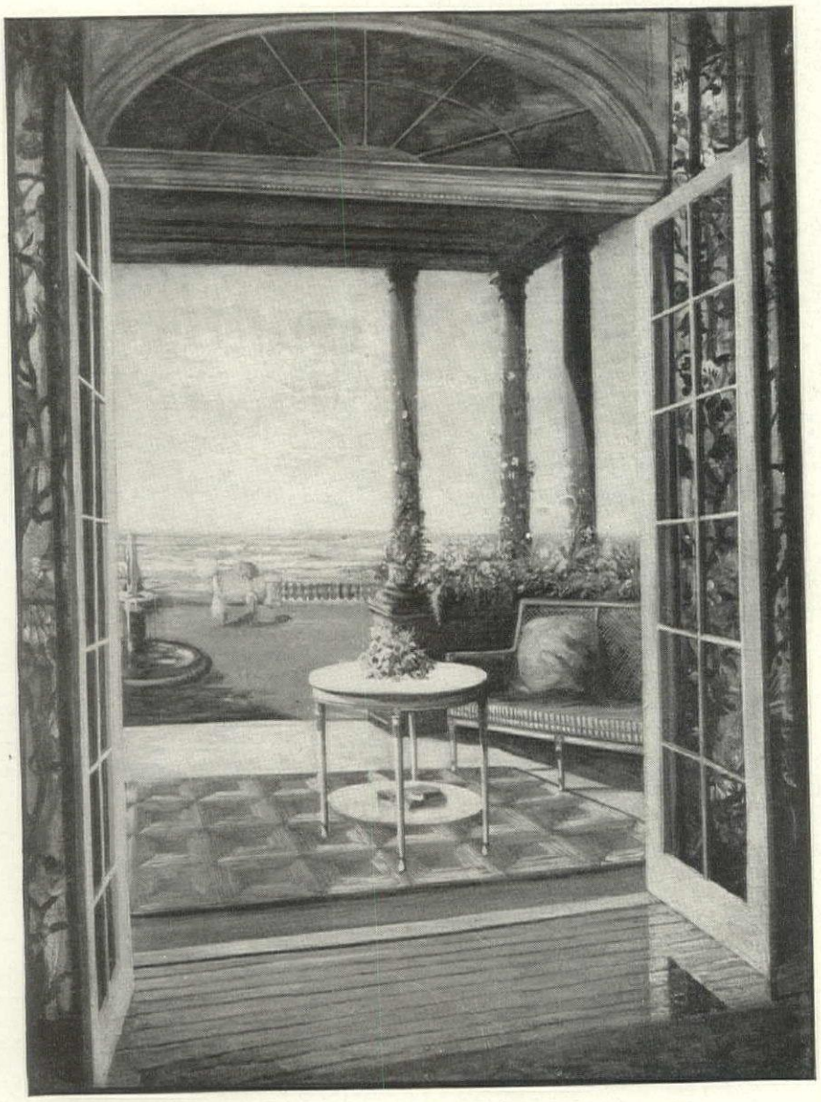
Rich golden bronz is the color of Na dine, a splendi chrysanthemum Chas. H. Totty Co



May is the great month for the outdoor planting of annual flower seeds of many kinds



Bridal Vail is one of the finest white cactus dahlias. Of large size and good stems. George L. Stillman



DURING the Summer months, the furnishings of home undergo a complete change—from the atmosphere of warmth, with the fireplace as the keynote—to surroundings indicative of everything bright and colorful with the open window furnishing the key.

Handblocked linens and chintzes, painted furniture and floor coverings reflecting the colors and realism of out of doors, create the Summer spirit.

The resources of our stock and staff are at your service.

W & J SLOANE

FIFTH AVENUE AND 47th STREET

WASHINGTON *New York* SAN FRANCISCO



Modern home-makers have re-discovered the beauties of candles and candle-light

It can almost be said that interior decorative and lighting schemes are no longer modern unless they include—*CANDLES.*

The dining-room—how inviting the table setting smartly enhanced with a candelabrum or two; how delightful the dinner under the soft, glowing radiance of candle-light!

And in every other room as well—living-room, library, reception hall, boudoir—whatever the motif of decoration, candles, in sticks, sconces, candelabra or torcheres, have a beautifying role and their light a subtle, bewitching charm.

Only be sure to select *good* candles. *ATLANTIC* Candles are craftsman-made. Materials are pure; shapes correct; colorings distinctive; quality unusual. They burn down evenly in a perfect "cup"—without drip, smoke or odor.

Your dealer should have Atlantic Candles in style and color varieties for every use and decorative scheme. They are banded, or their boxes labeled, for easy identification.

AN INTERESTING BOOKLET, prepared by us, on modern candle styles, decorative uses and lighting effects, is now on the press and will be mailed on request.

THE ATLANTIC REFINING COMPANY, Philadelphia

ATLANTIC

CANDLES

Tailored Slip Covers for the Country H

(*Continued from page* 58)

plain muslin (thereby saving much on her purchases) and then sets about finding just the right slip covers to express her personality and awaits the day when she may indulge her fancy in permanent covers of rare needlework or other precious fabric. For her boudoir she may make her slip covers as frivolous as her mood suggests. Gay little ruffles to outline the chairs, box pleated or shirred, with seams piped in her favorite and most becoming color, lend to the furniture a touch of feminine daintiness and youthful freshness not to be obtained otherwise. A draped dressing table or a dainty 18th Century poudreuse might well accentuate this note.

The matron possessed of priceless upholstery, if she would keep her treasures fresh and clean to grace another season, covers them securely, at the same time using infinite art in the selection of proper slip covers to make her rooms attractive and livable during less formal periods of the year and for short stopovers in town. Well planned slip covers are an ever ready help in time of need, producing a maximum of effect at a minimum of expenditure.

Small wonder then that slip covers, as an essential part of every establishment have come to be real works of art and are given detailed and careful st those interested in the subject. models have been routed from th ing places and faithfully copied in the same way as old costur signs have been revived, and th prising mechanical advantages own day pressed into service velop both the fabrics needed a finished product with as little energy as possible.

With such a bewildering arr suitable fabrics as the presen market offers, a nice discriminat needed to find just the note o sonality essential to really good d tion. One's possessions, both es and ornamental, express one's p ality and surely things which are a part of our daily lives are des of as much care in selection as i en to other important objects. S a possession lightly chosen develo jectional characteristics, its vulgar an ever present source of annoy Getting back again to the pra phases of slip covers it is essentia they really fit. Properly made th not "slip" at all but are fitted hooks or snap fasteners to confor the lines of the furniture and dentally do "stay put" after the in place.

Decorating the Table

(*Continued from page* 55)

Among these were all table ware of silver, gold, glass and earthenware. Ornamental clocks, lamps, vases, andirons, shovels and tongs, tapestries or woven pictures for the walls. Specially designed silks and velvets, in fact articles for all interior decoration. No wonder lovers of the rare and the beautiful go back to those centuries for ideas!

If you happen to be furnishing with rare and costly objects of art, you will be interested in specimens of table decorations still preserved in our museums and on sale at shops specializing in unusual objects of this kind.

Even if you have no idea of owning these beautiful table ornaments, it is well to study them carefully in order to get an indelible impression of perfection of arrangement and line with regard to many objects within a very limited space.

But on the other hand if you are content with *copies* of choice table arrangements, these are to be had at a comparatively moderate cost. They are modern and imported for the most part from Italy.

It was a passion on the part of the master designers to create veritable miniature Italian gardens, reproducing in alabaster, gold, silver or Venetian glass the balustrades, fountains, vases and mythological statuary in the ducal gardens of the old world, gardens planned by the great landscape-designers of the day. In the vases were tiny blooming plants made of colored Venetian glass, the entire garden being on so small a scale as to occupy only the center of a moderately small table. Of course decorations for banquet tables may also be had.

Let us start with the supposition that the dining room you are now using is a very simple one; that your furniture is inexpensive painted wood of absolutely no real value but good in line and color. Very well. Keep everything in that room, including the objects on the dining table, in the picture. Aim at harmony; have not one false note. Use on such a table coarse, deep cream linen and attractive peasant table ware—earthenware or pottery, not porcelain. Decide what price you can pay f and then choose with regard to the our scheme of the room.

Have your glass equally simple in attractive shapes. Avoid fancy, looking silver, whether solid or pl It is seldom good style, is difficul clean and often expensive.

Nowadays only forks, knives spoons are of silver. Glass, china pottery are used for all purposes table decoration, table lighting and serving of food. This is wise as economic expedient. Today the ave servant is not only abnormally ex sive but inefficient as well. Anyt to save labor is a godsend to the m ern housekeeper.

Granted you have the required ta ware, let us turn to the interesting pr lem of decoration, pure and sim Assuming the table is round or squ attention will focus on the center the board. Place there something excite admiration. If possible, let center piece have color, the same used for walls, curtains, chair cov etc. This plan of repeating the sa colors in the flowers at once shows scheme has been thought out, that ties up with the general color sche of the room.

Whether you use a bowl of flow or fruit, a now-fashionable china b or statuette, see to it that it does interfere with the sociability of yo table. It will surely do so if so high to cut off the view of the guests seat opposite. Keep table decorations b low the line of the eyes. This appli as well to candlelight. Candles placed that the flame is in line with t eyes should be shaded. Very tall ca dles are attractive unshaded.

Since balance is the key-note of beau ty in the decoration of your table, r member this includes size of object Beware of small candlesticks on a larg table or too large ones on a small tabl

If you have a bowl of flowers in th center, two bowls of fruit, one towar the head and one toward the foot, a always good if the bowls are of th same character.

(*Continued on page* 88)



PANTHEON

Wrought from Solid Silver

PANTHEON will reign through all the fluctuations of fashion—because it is designed after the eternal classics. *Pantheon* will endure through all the despoilations of use—because it is wrought from an imperishable metal.

All INTERNATIONAL STERLING is created for the ages to come, as well as for today. And thus, it clusters about itself many proud memories and associations, perpetuating them for the generations to come.

A Book of Silver on Request

Write for Book 104
the Pantheon brochure.
International Silver Co.
Meriden - - - - - Conn.

This craftsman's mark identifies the genuine

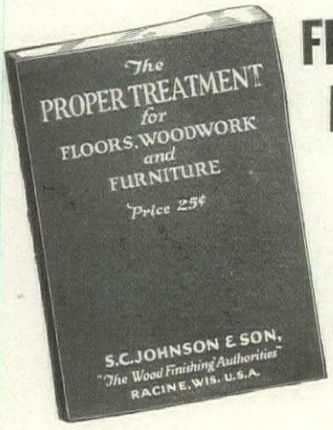
I.S.Co. Sterling

INTERNATIONAL STERLING

Masterpieces of the Classics

INTERNATIONAL SILVER CO.

Copyright 1922, by International Silver Co.



FREE—This Book on Home Beautifying

This book contains practical suggestions on how to make your home artistic, cheery and inviting. Explains how you can easily and economically refinish and keep furniture, woodwork, floors and linoleum in perfect condition. Tells just what materials to use and how to apply them. Includes color card, gives covering capacities, etc. Use coupon below.

JOHNSON'S
Paste - Liquid - Powdered
PREPARED WAX

Johnson's Prepared Wax comes in three convenient forms—**Paste Wax** for polishing floors and linoleum—**Liquid Wax** the dust-proof polish for furniture, woodwork, and automobiles—**Powdered Wax** for perfect dancing floors.



Johnson's Prepared Wax cleans, polishes, preserves and protects—all in one operation. It does not catch dust and lint—takes all the drudgery from dusting—rejuvenates the original finish and gives an air of immaculate cleanliness.

Are You Building?



You will find our book particularly interesting and useful if you plan on building or remodeling. It tells how to finish inexpensive soft woods so they are as beautiful and artistic as hardwood. Enables you to talk intelligently on this subject to your architect or contractor.

Our Individual Advice Department is in the hands of a corps of experts who give all questions on wood finishing prompt and careful attention. Do not hesitate to bring your wood finishing problems to us—there is no obligation whatever attached to this service.

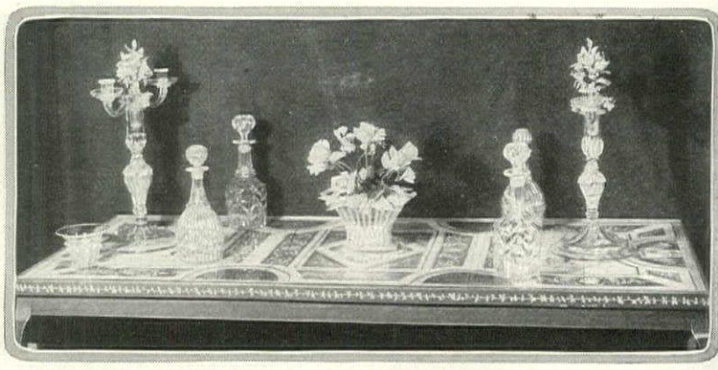
S. C. JOHNSON & SON, Dept. HG5, Racine, Wis.
(Canadian Factory—Brantford)

Please send me, free and postpaid, your book on Home Beautifying, "The Proper Treatment for Floors, Woodwork and Furniture."

My Paint Dealer is.....

My Name.....

My Address.....



A modern glass basket exquisite in form and detail is used in connection with old crystal decanters and modern Venetian candelabras

Decorating the Table

(*Continued from page* 86)

Another interesting decoration for the center of the table is a china bird, if large enough to be important. This is effective used with two or four smaller ones at the corners of an imaginary square around the center piece of fruit or flowers. They should be placed facing toward the center.

Never by any chance have too many objects on your table, no matter how beautiful or valuable each may be. Make each one count. This can be done by the proper spacing. Receptacles for salt and pepper and other ornamental dishes such as are used for sweets and pickles, if placed on the table, must maintain the required balance. This is equally true with regard to candles. A tall, branching candelabra, if simple and beautiful as to shape, may be placed in the center of the table provided the lights are above the eyes. Unless very high, use tiny shades, one to each candle.

A way to test the soundness of your design is to take away one of the objects. If when removed the balance is lost and the picture spoiled, then your arrangement was correct. On the other hand if the removal of a piece makes no difference to the general effect, the arrangement was not truly decorative for the reason that every object was not indispensable to the completion of the picture you aimed at creating.

Acquire the habit of looking at your friend's table. Discover for yourself why some are dull and depressing and others charming and magnetic.

When a squarely built, oblong Jacobean or long, narrow Italian refectory table is used the decoration is effective only when carried from the center toward each end. An interesting center piece should balance two other objects of equal or slightly less interest. These three pieces may be held together with ivy, natural flowers, or some of the lovely Venetian glass ones. Italian glass fruit is charming when used this way. The line should be kept formal like a narrow hedge of the flowers, fruit or ivy. To invent such fascinating, diverting table decorations is a joy, for once the principle is understood it is quite easy to have success. Copy ideas but try creating your own individual arrangements.

Collecting the Coins of Yesterday

(*Continued from page* 53)

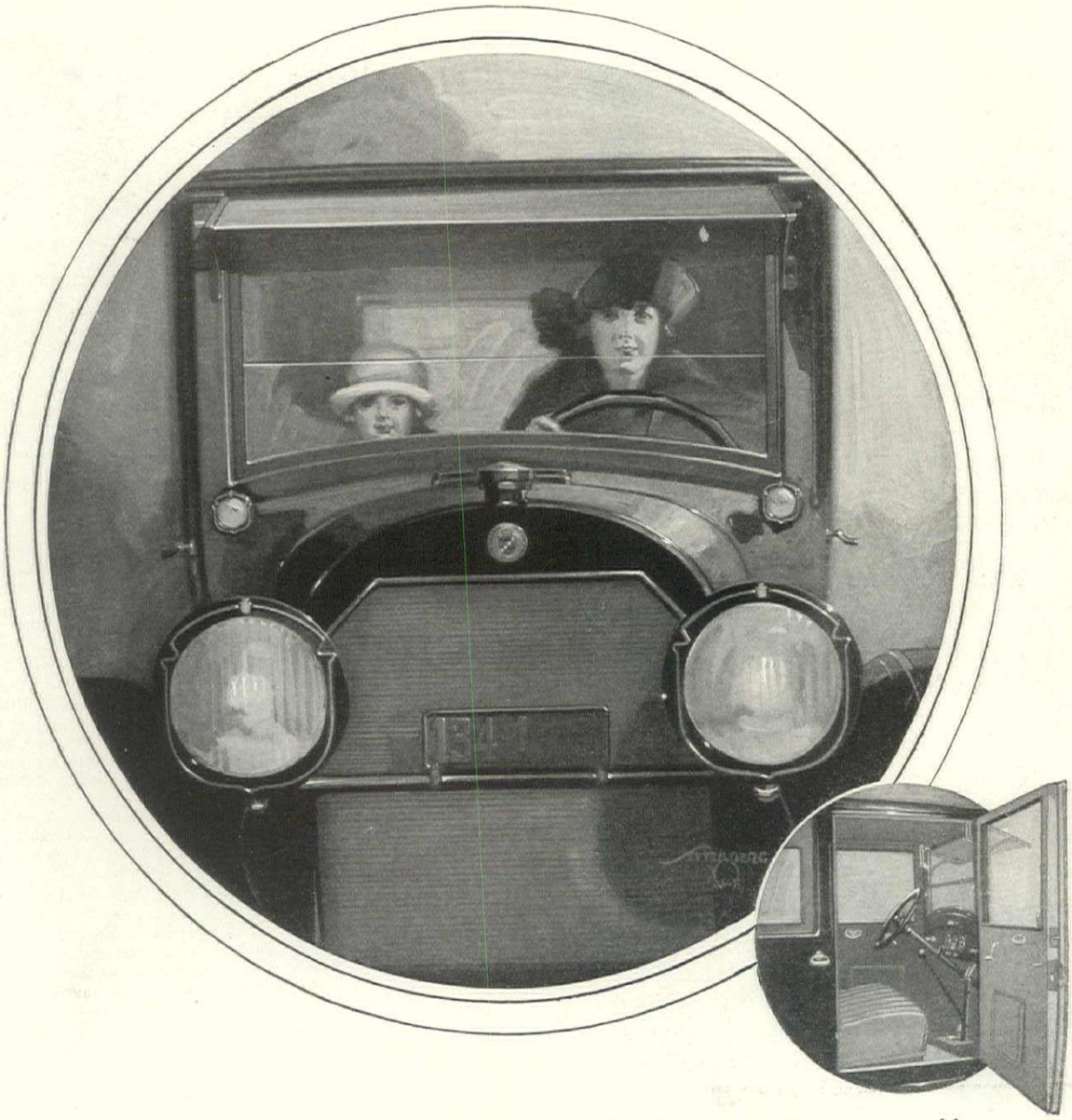
chase a farm of many acres."

I think it was just a chance that led Stevenson to write "shells" instead of coins, remembering how attached he was to a certain little pouch full of odd coins collected by him in his boyhood and preserved intact to his last year on earth. This little collection was later dispersed by sale. Among these coins was a certain little token piece, an old English halfpenny polished smooth on both sides, and then engraved on the one with the design of a full rigged sailing vessel and on the other with the name of a sailor of Montieth. I have always fancied that this token was one of Stevenson's pet boyhood treasures. At any rate its intimate association with his boyhood makes it very precious to me, to whose collection it has found its way. Such pieces there are, which, though lacking absolute beauty in themselves, nor having a definite constructive part in the world's history, nevertheless, by reason of remarkable association, set working the imagination, evoking images of which they must ever, to some, remain as tokens of inestimable value. However, such pieces are rare, and I shall not dwell further upon them.

Just what is there about old coins that makes them interesting beyond the fact of their being old money? The answer is, many things. You have but to examine fine examples of the coinage of the centuries gone by to realize that a very great number of the coins of yesterday are true works of art in themselves, many of them veritable masterpieces-in-little. The coins of ancient Greece, for instance, have never been surpassed in beauty. When you possess a fine coin of the period of antiquity, you possess a true work of art from the hand of a contemporary sculptor. And it is so through the centuries, in degree. One cannot hope to possess, other than visually, the **Perseus** of Benvenuto Cellini, but he can hope to have a gold zecchino from one of the dies cut by Cellini's own hand, an exquisite work of art from every point of view. Fifteen dollars ought to bring it to him. For as much one ought to be able to acquire a fine specimen of the silver testone of Giovanni Galeazzo Maria Sforza (1466-1476), designed by none other than Leonardo da Vinci between 1483 and 1500. My own specimen, in mint condition (that is, uncirculated), a coin of indisputable genuineness, was purchased in New York at public sale some two years ago for only eight dollars! It is one of the most beautiful and one of the notable historical European coins.

A beautiful coin which has notable historic interest as well, is, of course, to my mind, of greatest interest, notwithstanding the fact that the world is full of coin collectors who devote themselves to what seems the trivial exercise of making endless collections of somewhat unbeautiful pieces, differing one from the other only in their dates, or

(*Continued on page* 90)



What a wealth of satisfaction a woman takes in the dependability of her Cadillac.

There is no other single trait, of all the wonderful traits of the Cadillac, that quite equals it in her esteem.

She realizes thankfully that no thought of the car need intrude for a moment to mar her enjoyment.

Her mind is at rest, she is free to rejoice in the fine buoyancy of the Cadillac, its suggestion of soaring grace. The matter of driving the car, so safe and simple and easy it is, adds a sportive zest to her pleasure.

And as the miles unroll, the joys of Cadillac travel grow more precious because of the serenity and security she feels.

This is the quality that is even more than beauty, or luxury, or the social prestige of Cadillac ownership.

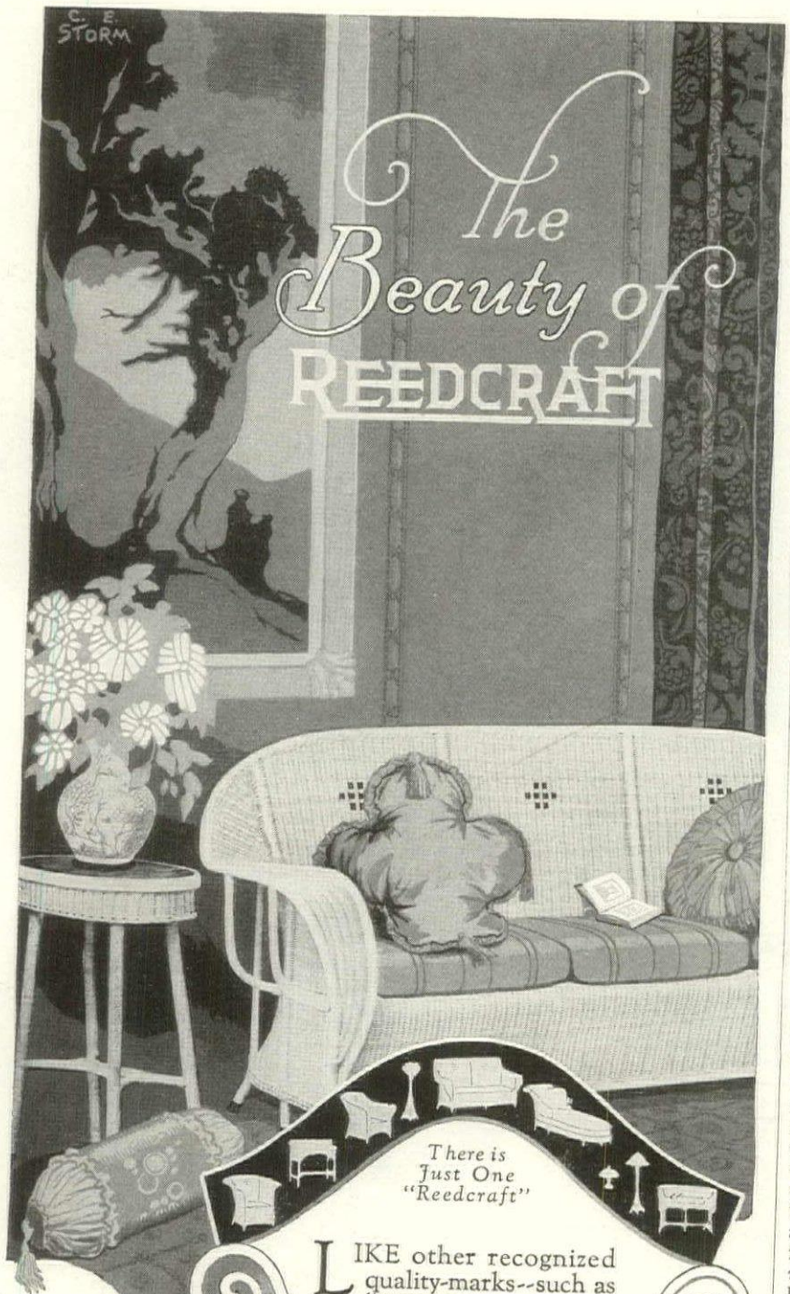
This fine dependability, always the cardinal fact of the Cadillac, finds even higher expression than before in the new Type 61.

CADILLAC MOTOR CAR COMPANY, DETROIT, MICHIGAN

Division of General Motors Corporation

C A D I L L A C

The Standard of the World



There is Just One "Reedcraft"

LIKE other recognized quality-marks--such as "Steinway" on a piano, "Minton" on china, "Gorham" on silverware---the name "REEDCRAFT" specifies one distinct make of reed furniture---the highest quality in its particular line. This name is burned into the under side of every piece of Reedcraft.

Entirely handmade from specially selected imported reed. No nailed on braids, loose ends or spliced strands. Sturdy, comfortable and adaptable to all uses. Antique ivory, grays, pastel shades, or the new golden azure---as well as the natural reed. For sale by leading furniture dealers.

THE REEDCRAFT COMPANY

Los Angeles
827 West Seventh
939 South Broadway
Chicago
916 Michigan Avenue

REEDCRAFT



Tokens were coins issued by tradesmen or banks in lieu of currency. These are examples of the 18th Century English token coins

Collecting the Coins of Yesterda

(*Continued from page* 88)

distinguished, when departing from the common type by some flaw, such as a crack in the die, or again by some such phenomenon as the turning of the third leaf in an olive wreath to the left instead of to the right. There may possibly be found some pleasure, some curious sort of satisfaction in making a vast collection of the one-cent pieces of the United States from the time of the minting of the first to the present, a collection including all the minute differences that constitute the microscopic *varia* that appear to furnish such collectors with the keys to such delectable seventh heavens.

But it is not the joys of such collections, the pursuits of such collectors that I would advise one to attempt to understand or to emulate. To me there seems so much more worth while. But many an unbeautiful coin does stimulate the imagination. Who does not recall the story of the Pine Tree Shilling which used to be invariably narrated in the school readers of our sunny years! The first Massachusetts mint was erected in 1652 with John Hull as its master. He wrote that "upon occasion of much counterfeit coin brought in the country, and much loss accruing in that respect (and that did occasion a stoppage of trade), the General Court ordered a mint to be set up. And they made a choice of me for that employment and I chose my friend Robert Saunderson to be my partner to which the Court consented." The Court declared "That all persons whatsour haue libertie to bring vnto the mint house, at Boston, all bullion, plate or Spanish coyne, there to be metled and brought to the alloy of sterling silver by John Hull, master of the sd mint, & his sworne officers, & by him to be coyned into twelve pence, six pence, & three pence peeces. . . ."

We are told that John Hull's mint was a small wooden structure some fifteen feet square, with a ceiling ten feet high. As the mint was established without a Royal charter, the King of England highly disapproved of this Colonial enterprise and when the first Massachusetts charter was revoked in the year 1684 the mint was closed. The old story of the school books runs as follows: For every twenty shillings he coined John Hull received one for himself as payment for his labor, expense and as his "profit." At first this might not seem a very lucrative compensation, but so great was the quantity of plate, Spanish silver and other forms of silver brought to his mint that John Hull soon became one of the richest men in the Colony. When Samuel Sewall asked the hand of John Hull's daughter in marriage the dowry settled upon was her weight in Pine Tree shillings, the young lady was placed upon the scales on her wedding day and the indicated amount was turned into the dowry. The school book stories always ended with an exclamation point or suggested one, and what a Croesus we used to think John Hull to have been! But when we take into account the fact that a hundred pounds of silver was not valued at much more than about $1,600 in John Hull's day, we can easily see that the dowry was a fairly modest one, unless we are so unkind as to assume that Mistress Sewall's bridal veil covered the vast proportions of Phineas T. Barnum's Fat Lady of the sideshow. These early Massachusetts silver pieces were from numerous dies, and some of them bear tree designs far from suggesting a Pine Tree, but much more resemble an Oak Tree, and are in consequence called Oak Tree shillings, etc.

Equally interesting things are evoked by the imagination when one handles a silver dirheem of the great caliph of "Arabian Nights" fame, Haroun al' Raschid (763-809) of Bagdad, who never seemed quite real to us in the highly-colored stories of the Arabian classic until we came upon one of the coins of his reign. W. C. Prime, writing half a century ago said, "To a thinking man . . . every coin that his collection contains opens a new subject of thought; and it is no idle employment, though

(*Continued on page* 94)



All out-doors invites your KODAK

Autographic Kodaks *$6.50 up*

Eastman Kodak Company, Rochester, N. Y., *The Kodak City*



Hand finished dress of McCutcheon Imported Linen in Blue with Yellow Linen Trimming. Sizes 10 to 14 years.

28.50

Made to special order in any of the fabrics mentioned below. Prices on request.

Fabrics and Frocks that Breathe the Spirit of Youth

THERE are light, summery Swisses in every color; dainty Irish Dimities that are plain or flowered, and cool, crisp Linens of many different weights and weaves.

For simpler, more practical wear, the Crepes and Ginghams are very attractive.

And the English Prints and English Sateens are a riot of delectable flowers and buds and other things. They have quite all the profusion that delights the young idea—quite all the bizarre gaiety of motif that youth can wear so well.

Samples and prices on request

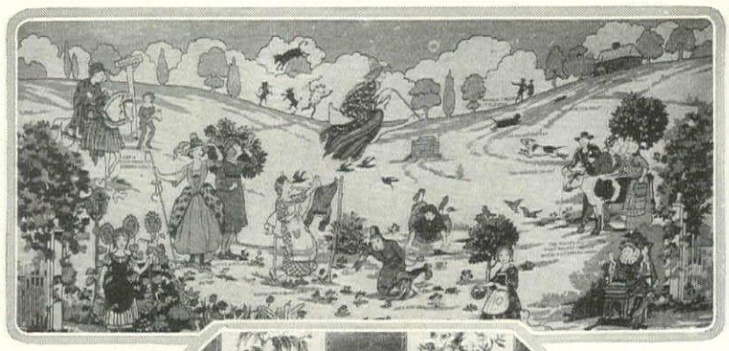


Reg. Trade Mark

James McCutcheon & Co.

Department No. 44

Fifth Avenue, 34th and 33d Streets, New York

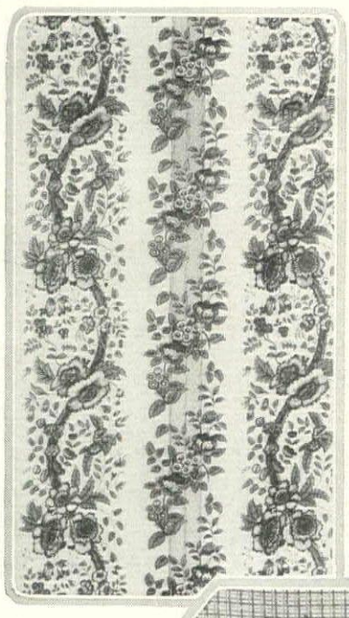


A quaint nursery chintz has a pink and white ground with figures in soft colors. It is 35" wide and 85c a yard

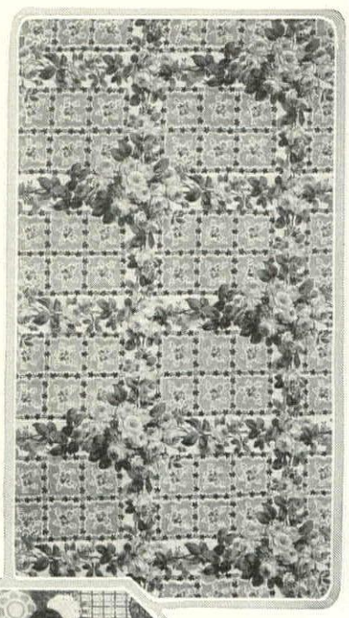


Buff and blue stripes, a pattern in blue, soft greens and rose make a delightful country house chintz 36", $1

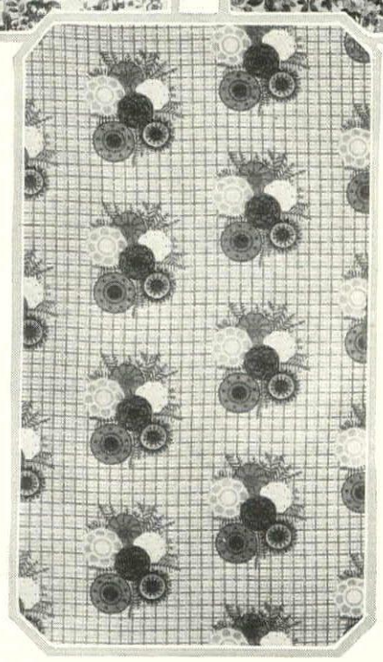
FRESH CHINTZES FOR THE COUNTRY HOUSE



The chintz above is glazed. The coloring is mostly rose with a little blue and green on a deep buff ground. 31", $1.35



This lattice pattern would make charming country house curtains. Roses come on either a pink or blue ground. 36", 65c



They may be purchased through the House & Garden Shopping Service, 19 West 44th St., New York City

A soft mohair in shades of mauve, lavender, robin's egg blue and tan on a lattice ground is 50" wide and priced at $2.50 a yard



Big Cord Tires for Big Cars

TRUST your own judgment in tire buying, if your judgment is based on facts.

The one sure way to know tire values is thru investigation.

Look first for bigness, for strength, for resiliency—then for price.

Fisk Cord Tires face any comparison and show their extra value.

Next Time—Buy Fisk

FISK TIRES

How a Knight Favored ye Queen and won ye favor with ye King



THIS TOLD in the hitherto unpublished annals of King Arthur's Court, that a certain Knight wishing to gain the favour of his King to a purpose, was struck with the thought that his Queen did much to shape her Lord's policies; whereupon this Knight sent to his Queen a chest laden with the choicest linen, which possessed the Queen with such a wonderful delight, that her appreciation made possible the end he sought."

ONLY in *Hand-woven* Fleur-de-lis IRISH LINEN damask table cloths and napkins can be had any conception of those linens produced by the weavers of the Mediæval Ages, for today it is woven by hand with the same skill and care as in those days of guild craftsmen, and its richness of design and exquisiteness of finish show well the results of this worthwhile effort.

On sale at the better stores in the principal cities of the United States and Canada. An illustrated catalogue on request.

For finer use also are Fleur-de-lis linen towels, linen sheets and pillow cases.

IRELAND BROTHERS

INCORPORATED

102 FRANKLIN STREET NEW YORK CITY

REG. U.S. PAT. OFF.



Collecting the Coins of Yesterday

(*Continued from page* 90)

it seem so, to sit quietly over Greek or Persian, Roman or Punic, French, Turkish, English or American coins and seek to trace, in pure fancy, the history of one and another shining piece. And if the instruction to be thus derived is not the most valuable which the collection of coins furnishes, it is at least the origin of that which is worth more; for the desire to make acquaintance with the men who used those coins leads to the study of history; and perhaps the great benefit to be derived by the ordinary collector from his employment is to be found in this, that his coins serve to fix historical facts with great firmness in the memory."

It is probably true that we owe as much to coins for our knowledge of ancient history as we do to the written records of the past that have come down to us. Dr. Reginald Stuart Poole ("Coins and Medals," London, 1894) has said "Of all antiquities coins are the smallest, yet, as a class, the most authoritative in record, and the widest in range. No history is so unbroken as that which they tell; no geography so complete; no art so continuous in sequence, nor so broad in extent; no mythology so ample and so various. Unknown kings, and lost towns, forgotten divinities, and new schools of art, have here their authentic record. Individual character is illustrated, and the tendencies of races defined." The historical value of coins is tremendous.

The Art of Coins

Let us now turn to what Dr. Poole has to say of their art interest: "Greek Coins are the grammar of Greek art. In them we may trace its gradual growth, the stern grandeur of the last days of archaism, and the sudden outburst of full splendor, more marked in coins, however, by the influence of the contemporaries and followers of Pheidias than by that of the great sculptor himself. While the original sculpture of this age, in marble and bronze, might be contained within the walls of a single museum, the coin-types may be counted by thousands. No restorer has touched them, nor are they late copies, like the Latin translations of Greek originals which confuse the judge of statues. Small indeed they are; yet large in treatment, and beautiful in material, whether it be rich gold, or the softer-toned electorum, or cold silver, or bronze glorified by the unconscious colouring of the earth in which the coins have lain for centuries. Sometimes we can see the copy of a statue, —no servile reproduction, but with such proof of free work in varieties of attitude as shows that the artist, strong in his power, was working from memory. Such is the Herakles of Croton, recalling a kindred statue to the so-called Theseus of the Parthenon. Bolder masters took a theme like the winged goddess of Terina, and varied it with an originality which showed they were worthy peers of the sculptors and painters. Croton is a town with some place in history; but who, save some numismatist, has any thought of Terina, famous only for the survival of her exquisite coinage?"

These things, it seems to me, sufficiently answer the questions, Why are old coins of interest? Why does one collect them?

It seems somewhat extraordinary that those who do not collect old coins have a notion that they command prices that place them beyond the pale of the moderate purse, at least that it is so with really interesting, beautiful and ancient coins. Quite the opposite is true. I know no objects of antiquity which bring anything like the extremely low prices, comparatively, that so many of the ancient coins do bring. True it is that there are many rare old coins that bring extraordinarily high prices, but there are more low-priced coins of unusual interest and beauty than one could wish for and which may be found for the searching.

Let us consider some of the approximate prices one may have to pay: $20 for a gold starter of Alexander the Great; $35 for a gold Persian daric of Darius; $5 for a silver tetradrachm of Athens; $3 for a tetradrachm of Ptolemy I of Egypt, the first coin bearing the actual portrait of a ruler; $8 for a silver tetradrachm of Philip of Macedon; $3 for a didrachm of Corinth; $3 for a drachm of Terina; 75c for a copper coin of King Herod; 75c for one of Pontius Pilate; $3 for a Roman denarius of the Emperor Tiberius (The Tribute Penny of the Bible); $2.50 for a silver denarius of Augustus Caesar; $20 for a gold aureus of Nero; $6 for a fine denarius of Julius Caesar; $3 for a portrait denarius of Brutus; $4 for one of Marc Antony; $3 for a portrait denarius of Marcus Aurelius; $8 for one of Constantine the Great; $6 for a silver penny of Alfred the Great; $12 for a gold Angel of Henry VIII; $2.50 for a fine portrait shilling of Queen Elizabeth; $2 for a silver penny of Sithric III of Ireland; $10 for a testoon of Mary, Queen of Scots; $12 for a Pine Tree Shilling; and so on, to mention but a few of the thousands of interesting coins. Indeed many fine Roman coins may be bought for less than $2 apiece. I have before me a sales list of Roman silver coins offered by the foremost dealers in London, a house of international reputation for absolute reliability, a firm guaranteeing its offerings. In this list I find seventeen Roman silver coins in fine condition dating from B. C. 93 to B. C. 82 aggregating a total of less than £4, averaging less than four shillings apiece! One of these coins pictures Veiovis, "the little Jupiter" whose lightnings were thought to produce deafness. Another bears on the reverse a triumphal chariot recalling the solemn entry of the chariots of the chief divinities on the occurrence of the public games. A third commemorates the heroic deeds of M. Serveilius Pulex Geminus, who was Consul in the year B. C. 202. And so on with this selection taken at random.

About Prices

Fortunately for American collectors, there are many numismatists in this country who make offerings of interesting coins at attractive prices, dealers who are reliable and who frequently hold public sales (auction sales) of private collections that come into the mart. The American Numismatic Society of New York and other American numismatic organizations have greatly advanced our knowledge of coins and fine examples of the coinage of all periods are to be studied in our public collections—the Museum of the American Numismatic Society and the Metropolitan Museum of Art, New York, the U. S. Mint, Philadelphia, and elsewhere.

Happily there are numerous moderately priced books on the subject of coins by competent authorities: "A Short History of Coins and Currency" by Lord Avebury (E. P. Dutton & Company, New York); "The Evolution of Coinage" by George MacDonald (G. P. Putnam's Sons, New York); "Coins and How to Know Them" by Gertrude B. Rawlings (Frederick A. Stokes, New York); "Common Greek Coins" by the Rev. A. W. Hands (Spink & Son, Ltd., London); "Coins and Medals, Their Place in History and Art," edited by Stanley Lane-Poole (Elliot Stock, Lon-

(*Continued on page* 96)





A MASTER PERFUMER'S TRIUMPH

It proves that a famous French perfume can be the same—as fragrant, as exotic, as lasting—whether amid its own French gardens or in far off America. In exclusive French packings of softly tinted Parisian tan.

VIVAUDOU'S

La Bohême

ARLY

Extract, $1.50, $2.50, $6.00
Toilet Water, $4.00
Face Powder, $1.50
Talcum, tin; .50, glass, .75
Lip Stick, .50
Sachet, $1.75

Brilliantine, solid, $1.00
Rouge, $1.00
Poudre Compact, $1.00
Bath Salts, $1.25
Toilet Sets, 4 pcs., $15.00
Boudoir Patties, $3.50

PARIS VIVAUDOU NEW YORK

MILLER

Lighting Fixtures



The New Georgian Line

There's a suggestion of the Old Masters in the grace and beauty of the MILLER Georgian Line. Yet the prices of these fixtures are low, and their sound construction and enduring finishes adapt them to the requirements of every modern home. In harmonizing patterns for every room.

No. 71, 5-Light Fixture:
Old Brass and Black $32.85 (West of Rockies $35.35)
Silver and Black or Umber Bronze $39.40 (West of Rockies $41.90).

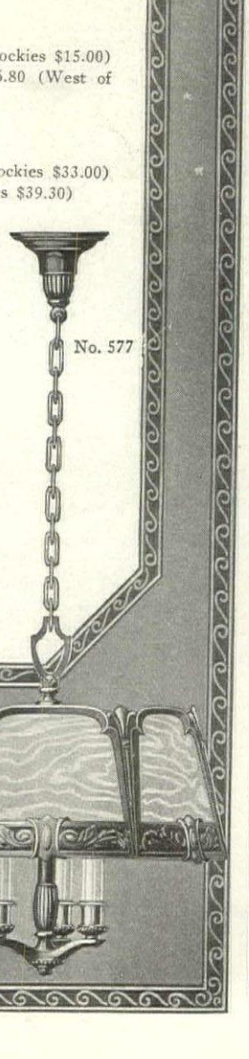
No. 711, 2-Light Bracket:
Old Brass and Black $14.00 (West of Rockies $15.00)
Silver and Black or Umber Bronze $16.80 (West of Rockies $17.80)

No. 577 3-Light Fixture:
Old Brass and Black $31.50 (West of Rockies $33.00)
Silver and Black $37.80 (West of Rockies $39.30)

Old Brass and Black for living room or library; Silver and Black for dining room.

Prices do not include bulbs or installation.

All MILLER Distributors are showing these fixtures. Write for address of nearest dealer —also for new booklet describing MILLER Fixtures for every room.



Edward Miller & Co.

Established 1844

Meriden, Connecticut

68 and 70 Park Place, New York
125 Pearl Street, Boston
116 Charing Cross Rd., London, W.C.2

Collecting the Coins of Yesterd

(*Continued from page* 94)

don); "The Coin Collector" by W. Carew Hazlitt (George Redway, London); "Handbook of Greek and Roman Coins" by G. F. Hill (The Macmillan Company, New York); and "A History of Ancient Coinage, 700-300 B. C." by Percy Gardner (Oxford University Press).

The condition of a coin has much to do with determining its particular value. A coin in mint state without a scratch is, obviously, more to be desired than a somewhat battered example. The initiate does not always realize this. Indeed some coins in a poor state are considered valueless by collectors, while in a few instances unique coins or others of excessive variety in like condition will be re in collections as historical pieces cannot well be dropped unless pieces of the same minting are tually discovered.

Coins and medals should nev carelessly handled. They should b with fingers resting on their edges never should a fine coin be thu nor should it ever be scoured. Fro collector's point of view, only a v will carry a fine, rare coin as a p piece!

Dean Swift once remarked tha wise man should have money i head, but not in his heart." The collector will tell you he was ha right!

If You Are Going to Build

(*Continued from page* 71)

Although in the 14th Century there is an occasional account of the metal spiral stairway and even of the old stone circular stairs, it was really not until the 16th Century that the flight of stairs was considered essential to home comfort and was recognized by the English architects as an integral part of the house. It was in those earlier aspiring and gorgeous Gothic days that the carpenter and carver appeared adding great beauty to public buildings and occasionally to domestic architecture. But the glory of the joiner did not arrive until the Elizabethan period and the triumph of this craftsman was the stairway. Not only did he add the wooden stairway to the home but paneled rooms and ceilings and fine overmantels.

It was in the early Renaissance that homes began to take on an architectural significance, with an ever greater demand for stairways indoors. Two types of staircases at once asserted themselves, the plain, solid, straight flight up between two walls, usually starting from the end of a great banqueting hall or from the entrance of a palace up to the refectory room; and then there were the circular or newel stairways usually found winding up from one story to another where there was no hallway. Occasionally when made of stone and of majestic proportions, they circled up in a deep well about a huge continued newel post.

In the Norman Military architecture there was seldom space for the straight indoor flight, unless it was used in narrow tunnels in the thickness of the walls. A striking exception to this is found in Castle Rising, Norfolk, England; and in some Norman keeps, like the Castle Headingham, the first floor was approached by outside stairs. The artistic possibilities of the newel stairways were quickly seen by the later Gothic architects as well as succeeding centuries, as witness the four-angle turrets of the Norman keeps, the flanking turrets to the Tudor gate houses, and again in a variety of ways in the small Elizabethan houses.

It was not until the beginning of the 17th Century that the convenient little halls and passages found their ways into houses. In one of John Thorphe's plans he describes a "longe entry throughe all"; but, in the main, rooms opened one into another. And, as a matter of fact, this is still customary in many Continental cities. This, of course, involved, and still does, the use of the small spiral stairway—a device which delighted the architects, who saw the romance as well as the beauty of these little flights of steps that so often led to fine adventure and the making of picturesque history. The use of the spiral stairway continued in Italy long after England had developed the splendid staircase in her stately France, too, held to her delight in romantic architectural feature.

But it was through Elizabeth's that the spiral stairway develope use and beauty in the finer En houses. In "English Stairways" w reminded of Bacon's essay of "B ing" in which he makes the follo interesting observation on stairs: stairs likewise to the upper rooms them be upon a fair open newel, finely railed in with images of w cast into a brass color; and a fair landing place at the top . . . yond this is to be a fair court, but t sides of it of a far lower building the front. And in all the four co of that court fair staircases, cast turrets on the outside, and not wi the row of buildings themselves."

In Bacon's own house, we are there was a delicate staircase of w which was curiously carved, and finial for every newel was a "pretty ure" such as "a grave divine with book and spectacles, a mendicant f and not one twice."

But the really magnificent stairw were something quite apart from charming little spirals or those ad turous flights of steps that were hi in the stone walls so sought by lo and warriors. They were the tu stairway and the great circular s staircase that gave opportunity for finest architectural effects, as seen in decorated vaulting of the turret st at Linlithgow which forms one of most imposing ascents from floor floor even in England's gorgeous tory of stairways. From these impo straight and circular stairways of st and brick, impressive, solid and destructible, developed in the latter of the 16th Century the "new" woo stairway, at once popularized in English country house of importa The use of thin boards for the fra work of steps came in, for treads the risers, in place of solid blocks stone and wood, permitting a lig structure and allowing the placing stairs for convenience without refere to supporting side walls. These f wooden stairs were bound toget with long wooden bearers ca "strings," set to the slope of the st way, and the strings were made su stantial and supported by newel po which appeared at the heading of ea flight of stairs and at the platforms, g ing opportunity for the beginning interesting decoration of the stairwa Of course, the handrail followed a the balustrade, and the rich ornamen tion of the stairway began.

The elaboration of this now essent portion of the house, which had be

(*Continued on page* 98)

AMPICO



"That great pianoforte mysteriously innate with all the music of the world"

THE AMPICO re-enacts for you the actual playing of the great pianists, exactly as originally played on a similar Pianoforte. Every delicate variation of touch, every subtle shade of expression, every personal characteristic is faultlessly reproduced. Greatest wonder in an age of wonders, the Ampico must be *heard* to be appreciated. It infinitely transcends the so-called "player-piano" which it supplants.

There is only one Ampico

It is obtainable *only* in the following pianos:

KNABE CHICKERING

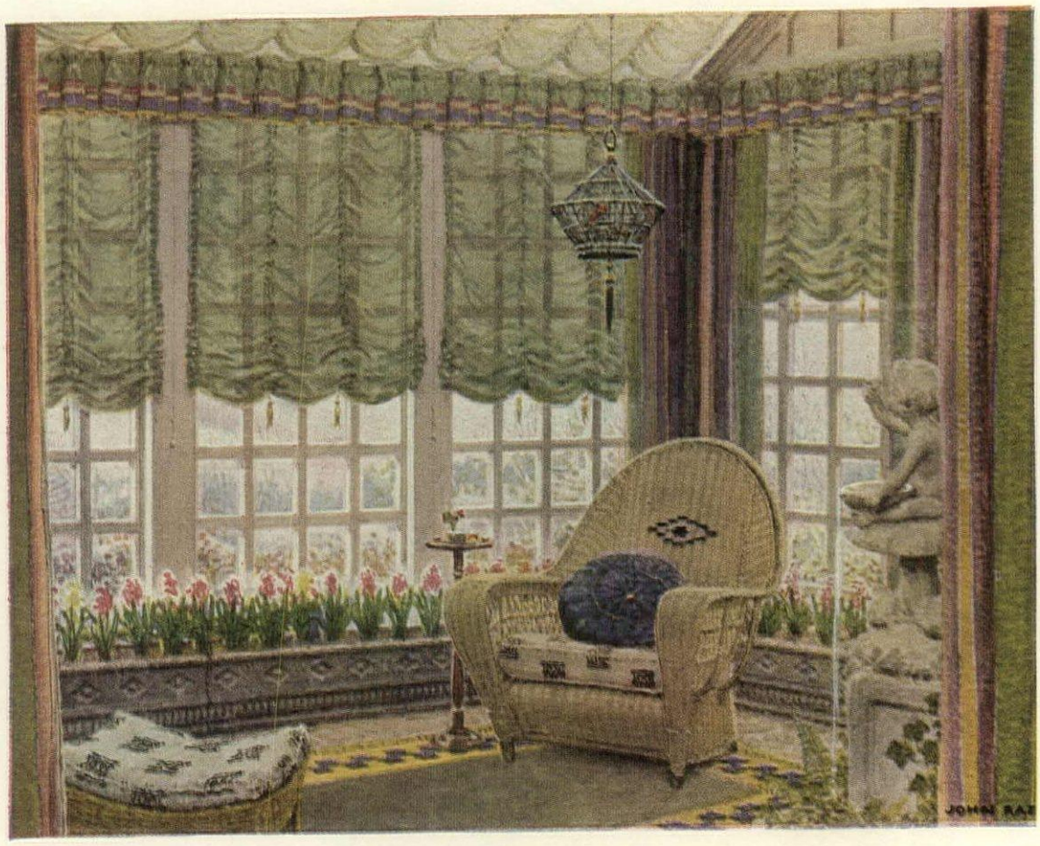
Franklin Haines Bros. Marshall & Wendell

AMERICAN PIANO COMPANY

437 Fifth Avenue New York City

Largest Manufacturers in the World—of Pianos of the Highest Grade

Colors fresh as the day you first hung the curtains



A CHEERY SUN-PARLOR *with gathered shades of green Sunray and over-draperies of Striped Kintbury in stunning combinations of broad and narrow stripes. Seat cushions are of Orinoka slip-cover material, striking Dutch pattern on ecru ground.*

ORINOKA Guaranteed Sunfast Draperies keep their wonderful colors to the very last. After a tubbing they are just as fresh-looking as the day you first put them up. Neither sun nor repeated washing fades them in the least.

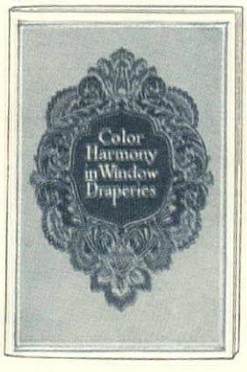
Orinoka Guaranteed Sunfast colors are *dyed fast in the yarn* at our own mills by our own special process. We *know* they are *fade-proof* because we give every color a far more severe test than it could possibly have in service. Do not merely ask for "sunfast"—insist on "*Orinoka* Sunfast" and look for the guarantee tag attached to every bolt of Orinoka Guaranteed Sunfast and Tubfast Draperies.

The Orinoka Guarantee

"These goods are guaranteed absolutely fadeless. If color changes from exposure to sunlight or from washing, the merchant is hereby authorized to replace them with new goods or to refund the purchase price."

Orinoka Guaranteed Sunfast Draperies come in a wide variety of colors, patterns, and weaves; from dainty, sheer casement cloths for use against the glass, to heavier weaves for over-draperies, and portieres.

The new Orinoka booklet "Color Harmony in Window Draperies," prepared by a New York decorator, contains many illustrations of charming window, door, and bed treatments, together with reproductions of the fabrics, all in color; also practical directions for choosing materials, making and hanging draperies. This booklet will be sent postpaid for 20c in stamps.



Orinoka

DRAPERIES & UPHOLSTERIES

COLORS GUARANTEED SUN & TUBFAST

THE ORINOKA MILLS, *510 Clarendon Building, New York City*



IVORY *Pyralin*

ASIDE from its evident beauty and lasting usefulness, one of the most appreciated features of Pyralin toiletware is that all patterns are standard, always easy to match at the leading stores everywhere. Many graduation gifts will be complete sets of Pyralin, but a great number will be a few essential articles, which can be added to from time to time until all twenty-five pieces adorn the dressing table.

E. I. DU PONT DE NEMOURS & CO., INC.
Pyralin Department
WILMINGTON, DELAWARE

DU PONT

Each piece is plainly stamped with the name "Pyralin", your assurance of life-long service.

THE popular DuBarry pattern, in Ivory Pyralin, is illustrated. It is made also in Shell Pyralin and Amber Pyralin, with exquisite decorations in colors, if desired. Or you may prefer the delightful LaBelle pattern—or the Plain pattern.

IS YOUR OWN SET COMPLETE?

IR BRUSH
OTH BRUSH
T BRUSH
NNET BRUSH
LITARY BRUSH

COMB ... MIRROR
NAIL POLISHER
NAIL FILE
CUTICLE KNIFE
SHOE HOOK

SCISSORS
SOAP BOX
CREAM BOX
PUFF BOX
HAIR RECEIVER

SHOE HORN
DRESSER TRAY
PIN TRAY
PICTURE FRAME
JEWEL BOX

CLOCK
PIN CUSHION
PERFUME BOTTLE
BUD VASE
TALCUM STAND

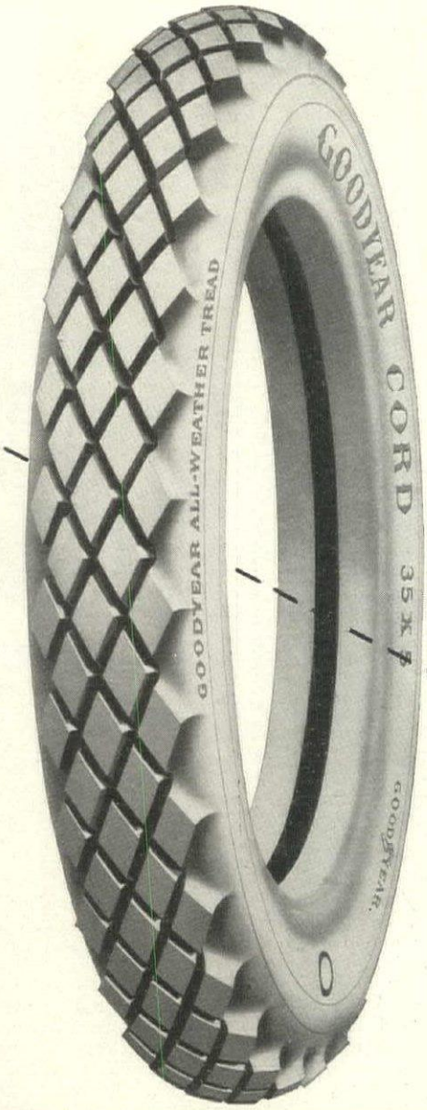


Five Foot "Standard" Bathroom

Pembroke Bath with Shower, Marcosa Lavatory
and Expulso Closet in a room five feet square.

Standard Sanitary Mfg. Co.
Pittsburgh

Veteran Goodyear users tell us that our tires today give more than twice the mileage they did ten years ago



The average decrease in the price of Goodyear Tires since the year 1910 is more than sixty per cent

QUALITY WAS NEVER SO HIGH PRICES WERE NEVER SO LOW

It is a favorite practice nowadays to refer more or less sagely to the good values of "before the war."

So far as tires are concerned, any such reference is an illusion.

The plain fact is, pre-war tire values were only a pale shadow alongside those of today.

Every tire in the Goodyear line proves this to be true.

If you are a veteran Goodyear user you have probably noticed that our tires today give more than twice the mileage they did ten years ago.

If you have compared the prices of then and now you have seen that present Goodyear prices are less than half of what they were.

Just to make this clear, consider our 30x3½-inch Cross-Rib clincher.

In 1910, for example, you paid $33.90 for this size tire.

Today, for a vastly better tire of the same type, you pay $10.95!

All other Goodyear Tires show similarly important reductions, the average decrease in price since 1910 being more than 60 per cent.

Goodyear quality was never so high—Goodyear Tires today are larger, heavier and more durable than ever before.

Goodyear prices were never so low—as the figures here listed will show.

30 x 3½ Cross-Rib Fabric	$10.95	32 x 3½ All-Weather Tread Cord	$25.50	33 x 4½ All-Weather Tread Cord	$42.85
30 x 3½ All-Weather Tread Fabric	$14.75	32 x 4 All-Weather Tread Cord	$32.40	34 x 4½ All-Weather Tread Cord	$43.90
30 x 3½ All-Weather Tread Cord	$18.00	33 x 4 All-Weather Tread Cord	$33.40	35 x 5 All-Weather Tread Cord	$54.75

Manufacturer's tax extra

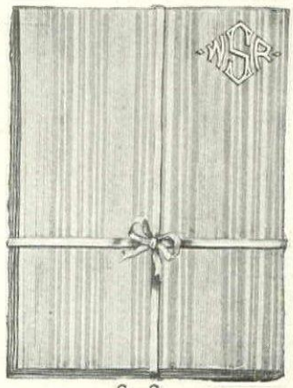
GOODYEAR

Copyright 1922, by The Goodyear Tire & Rubber Co., Inc.

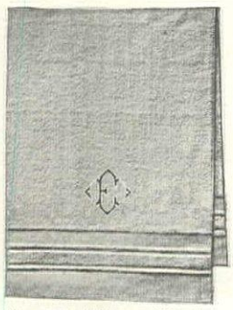
May Sale

Household Linens

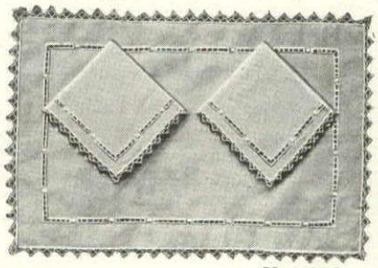
Exceptional reductions in all Departments



S. S.
WHITE CRINKLE BED SPREAD
with Art Knot Monogram, embroidered in color desired, boxed and laundered.
Single Bed Size.....**$5.00** each
Double Bed Size..... **6.25** each



No. 71. Heavy Turkish Bath Towels, size 22x45 in., complete with a 4 in. letter in any color **$8.50** doz.





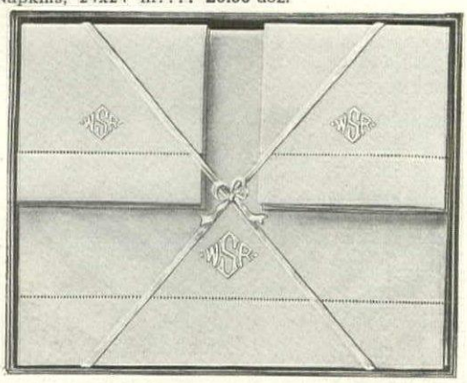
WB-1002

No. 902
Italian Linen 3 piece Tray Set, comprising one 16 x 24 in. Tray Cover and 2 Napkins, hand cut needlepoint edge.
Sale Price
$7.50
Complete

PLAIN STRIPES AND CONVENTIONAL DESIGN

Cloths, 2 x2	yds...	**$14.65** each
Cloths, 2 x2½	yds...	**19.15** each
Cloths, 2 x3	yds...	**21.85** each
Cloths, 2¼x2¼	yds...	**18.90** each
Napkins, 22x22	in....	**16.85** doz.
Napkins, 24x24	in....	**20.00** doz.

MAY SALE LIST ON REQUEST



Mail Orders executed carefully and promptly

All purchases delivered free to any part of the U.S.A.

SPECIAL—SETS OF SHEETS AND PILLOW CASES

Comprising one pair 72x104 ins. Cotton Sheets, and one pair 22x35 ins. Pillow Cases, complete with hand embroidered monogram, boxed and laundered .....**$12.75** set
Or with 90x104 ins. Cotton Sheets.....**$13.75** set
Or in Pure Linen with 72x108 ins. Sheets.....**$26.50** set
Or in Pure Linen with 90x108 ins. Sheets.....**$30.75** set

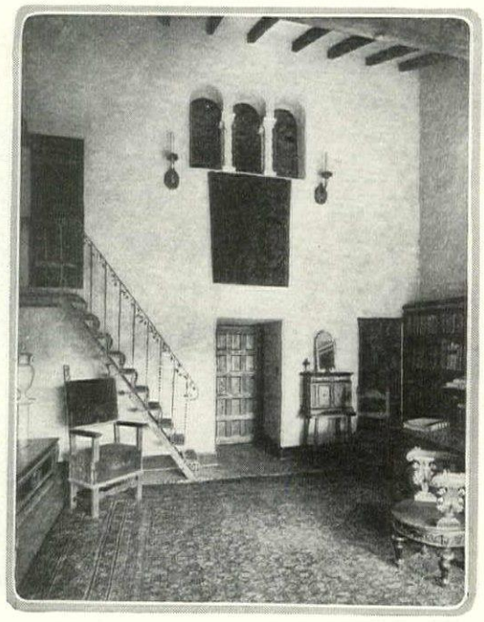
WALPOLE BROS.

ESTABLISHED 1766

Fifth Ave. cor. 35th St. New York

Also 587 Boylston St., Boston, Mass. LONDON & DUBLIN

Factory: Waringstown, Co. Down, Ireland



The wrought iron stairway in the library of Clinton MacKenzie, architect, is notable for its combination of grace in design and execution and the practical and simple way it solves the stairway problem

If You Are Going to Build

(*Continued from page* 96)

in the first place, developed only for convenience and safety, led to a variation of types and ornament which brought the stairway from this on into close relation to architectural periods. The two interesting classifications for the wooden stairway, continuing to the end of the Georgian period, would undoubtedly be the flat and often perforated baluster and the turned baluster, both susceptible of endless variation. The Elizabethan joiners quite lost their heads over the turned stairways, elaborating them in every possible fashion.

Handrails which were at first fashioned out of stout oak planks, ground and moulded, gradually developed into the flat section seen at the end of the 17th Century. These were often elaborately carved and made quite uncomfortable in those gorgeous Georgian staircases.

Very seldom was stone used in the new type of stairway, though France had a revival of stone stairways after the wooden structure was introduced, and even in England beautiful stone stairways were built at Hannock and at Montacute, but they were the exception, and it became the fashion to drape them with rugs.

Once the 17th Century was in full swing, the wooden stairways dominated domestic architecture. In the great halls, double flights were introduced as having a more sumptuous effect, or a single very wide flight stopping at a landing part way up and breaking into two flights at the right and left. To give a richer effect to these great stairways, beautiful architectural features were introduced, such as the arcaded screens, the continued newels, all of which furnished opportunity for sculpture and fine carving. The use of the newels which were carried up from story to story, to strengthen the stairway, developed some of the most picturesque stairways of 17th and 18th Century England; particularly beautiful schemes were worked out in the Jacobean period.

A quaint fashion in some of the finest English stairways is a little gate richly embellished with carving at the foot of the staircase. This was called the "dog gate" and was intended to keep the dogs down in the banqueting hall where they were always welcome. An interesting illustration of one of these old gates is shown in our article.

It was in the Renaissance that the most elaborate of the newels and finials were introduced. To have heraldic designs on the finials became quite the fashion, or at least a sculptured figure. The rusticated work on the newels at Rawdon House, the elaborate carving on the newels of Aldermaston and the fine pedestals with Ionic caps all give an interesting impression of this fashion for splendid stairways. In addition to heraldry, grotesque figures, Greek statues, Nature was also brought in to ornament the stairway, and newels were finished with baskets of fruit and vases of flowers; while vines of foliage were twisted into graceful balustrades. It was at this time that Grinling Gibbons and his school of carvers flourished. One of the finest of these nature stairways is at Tytenhanger, Herts, England, beautifully embellished with fruit and flowers. The string is carved with leaves and the newel paneled with fruit, and foliage rises above a vase of fruit.

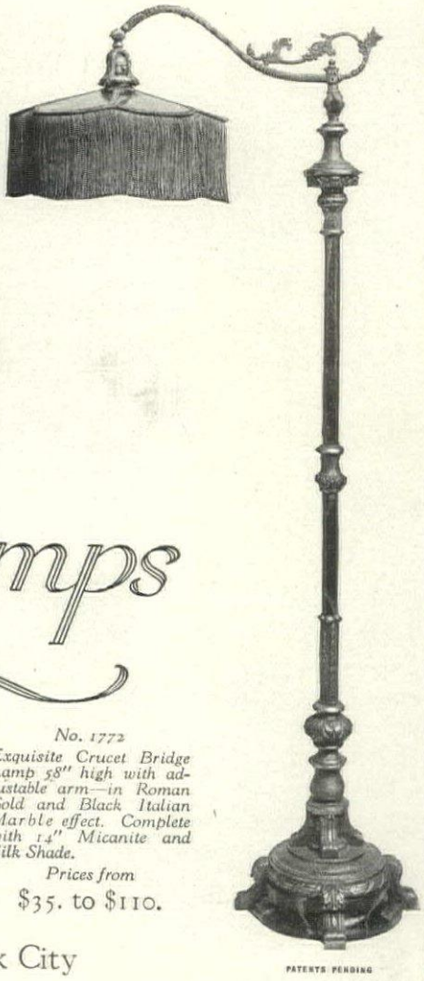
The balustrade came in at this period, usually with the flat perforated balusters with low relief carving. Exquisite examples of this are to be found at Dorfield, Cheshire and at Charlton House, Kent.

The birth of the domestic architect, in the modern sense of the word, unquestionably took place in the reign of James the First. This was the time in which Inigo Jones began his rarely beautiful house designs throughout fashionable England, incidentally developing stairways of great beauty both in construction and ornamentation. He introduced the simpler type of baluster which had made its appearance in stone in the Italian Renaissance. At this time, Italy became the source of inspiration for both England and France, and fine Italian wrought iron was copied in all the northern countries. It was the very end of the 18th Century that iron balusters were used to any extent in England. From this on, the stairways became lighter in structure, often with wood and iron combined, culminating

(*Continued on page* 102)







Crucet Lamps

No. 1761
Distinctive Crucet Davenport Lamp, 54" high in Roman Gold and Black Italian Marble effect complete with 22" Roman Gold Cabinet made Shade.
Prices ranging from
$45. to $150.

Fine Crucet Lamps in many different styles and sizes, which add distinction to the most beautiful room, may be had from the leading dealer in your city.

Write for booklet "LOVELY LAMPS"

Crucet Manufacturing Co.

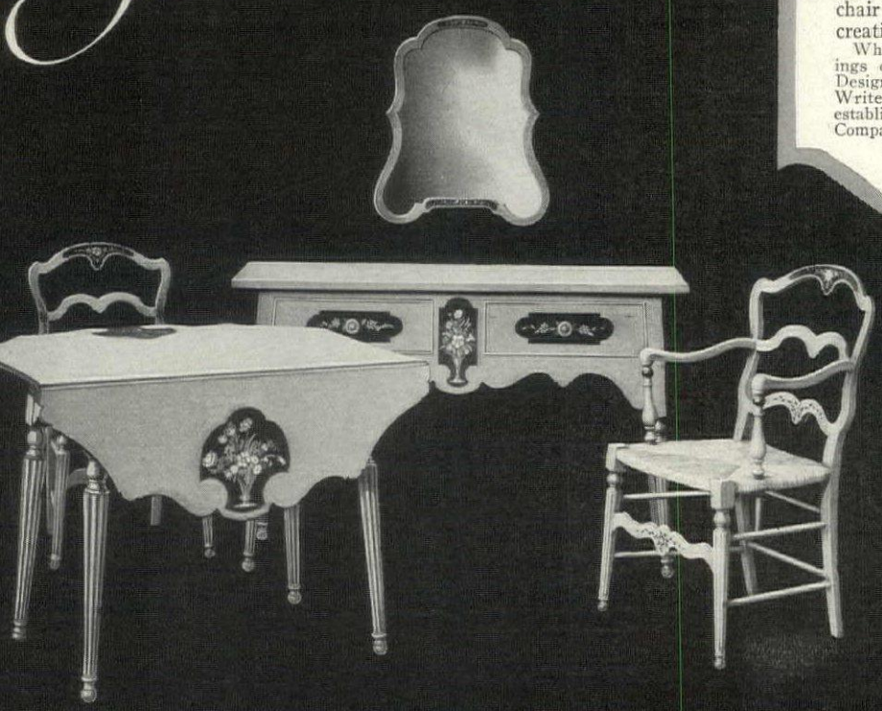
292 Fifth Avenue New York City

No. 1772
Exquisite Crucet Bridge Lamp 58" high with adjustable arm—in Roman Gold and Black Italian Marble effect. Complete with 14" Micanite and Silk Shade.
Prices from
$35. to $110.

PATENTED

PATENTS PENDING

Individualism ~ in Good Furniture



The Breakfast Room

THIS unique breakfast set—delightful in the charm of its lines and decorations—would be an interesting addition to your home.

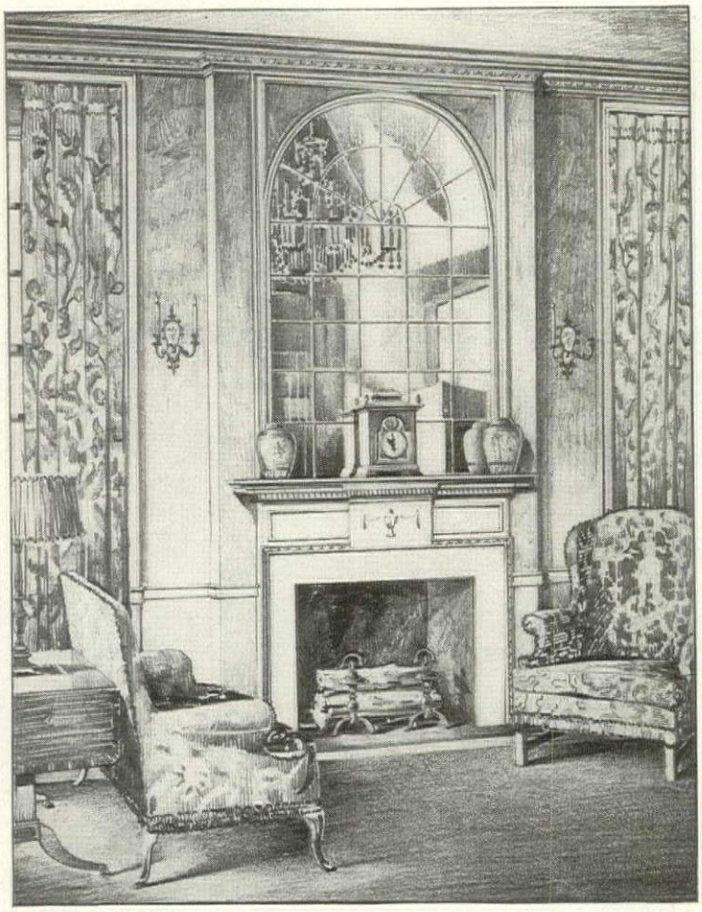
Every piece of Elgin A. Simonds Company Furniture has Individualism, whether it be a period model, a reproduction of some historic chair or one of these original and interesting creations.

What furniture is in harmony with the furnishings of your home? Our Department of Interior Design will gladly help you with any problem. Write us direct or through your dealer. The best establishments everywhere carry Elgin A. Simonds Company furniture.

Send for our helpful Booklet "H" on furnishing your Home.

The Elgin A. Simonds Company Furniture Syracuse N.Y.

The Elgin A. Simonds Company
Manufacturers of Furniture
SYRACUSE, N.Y.
NEW YORK BOSTON CHICAGO





TAPESTRIES
ARE RESTFUL

RARE blending of colors, becoming even more harmonious with age, gives to fine tapestries a quiet, subdued aspect which invites repose.

Inquiries invited through your Decorator, who will be pleased to give you a copy of our new booklet "Tapestries with Histories."

A H&S

ARTHUR·H·LEE & SONS Inc

Makers *of* Period Fabrics

1501 HEYWORTH BUILDING
Chicago

2 WEST 47th STREET
New York

ALLAN & MACPHERSON
31 Melinda St., Toronto

BIRKENHEAD
England



A child's Windsor chair in mahogany is $17. In white enamel $5.75. The seat is 10" from the floor

SEEN *in the* SHOPS *for the* NURS



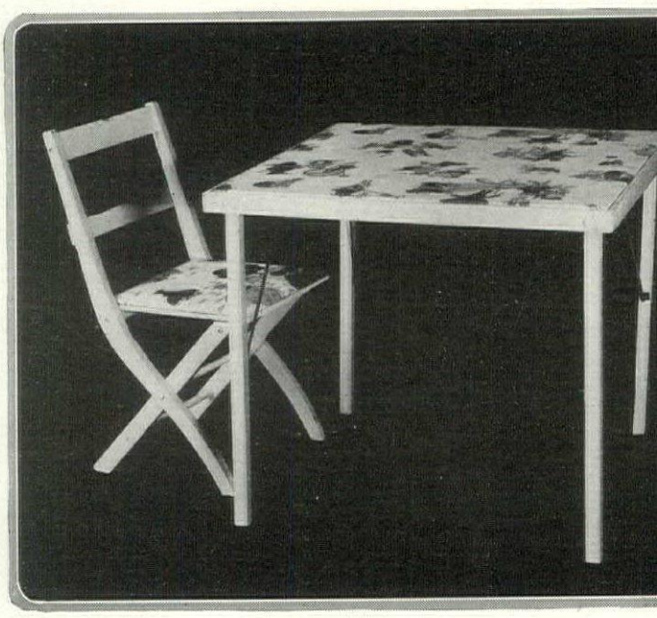
Gaily colored flowers in a blue basket makes an ideal doorstop for a nursery. $3.50



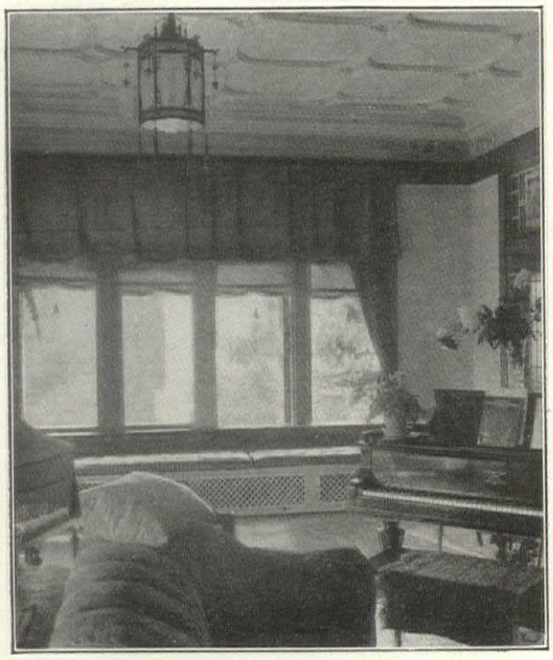
This wide awake bunny can satisfactorily guard any nursery door. He is 8" high. $3.50



An imported linen with a fairyland design of "such stuff as dreams are made on" comes in blue, yellow and orange on a cream ground. 50". $5.75



Sometimes it is desirable to have furniture that can be folded and tucked away. The pieces above are white enamel done nursery chintz. Table 20" high, top 22" sq. $3.75. *Chair* $2.



Happily for you, we have some 500 or more Decorative Metal Grille Designs to choose from, in the making of your radiator enclosures.
All of them are made from modellings executed by master craftsmen who have a love for their work.

Convert Your Obtrusive Radiators Into Cosy Window Seats

THAT is exactly what the owner of this house did. The local builder made the wood work, and we finished the Decorative Metal Grilles, in designs and finish to harmonize with their various room treatments.

This one in the music room happens to be a simple but delightful hand modelled design, cast in decorative metal and then antiqued with a special bronze plating, giving a solid bronze effect at a quarter the cost.

Happily for you we have a very informative little booklet which shows you a goodly lot of likely enclosure suggestions.

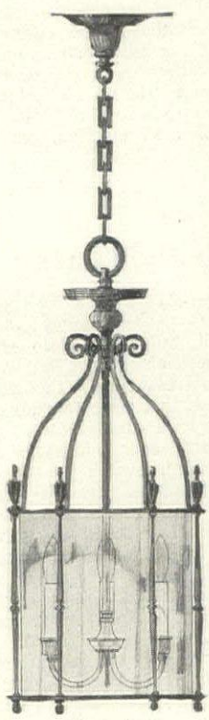
Likewise, sketches of our standard grilles adaptable for various treatments.

Always, however, we are glad to make up special designs of your own, or those we might suggest, for your exclusive use.

You are heartily welcome to the booklet.

TUTTLE & BAILEY MFG CO.

2 West 45th St. New York



No. 28610.
Height without links, 26 inches

For the Colonial Hallway

REFINED DIGNITY characterizes the restrained lines of this olden time Lantern, and gives it a wide range of use. It may appropriately be placed in the Georgian or Colonial Hallway, near the final curve of a graceful winding stair with its delicate white spindles and polished mahogany rail; or it may be placed in homes whose furnishings are of no distinct period.

Finished in Colonial or stained brass, with clear glass cylinder.

We shall be pleased to submit sketches and advice to those genuinely interested in correct lighting fixtures.

Write for our small portfolio showing a few authentic pieces. Prices on request.

Robert Phillips Co., Inc.
Artisans in all Metals

101 Park Ave. (at 40th Street) New York City



The Brambach Baby Grand

An artistic, compact achievement in Piano Building. Only 4 ft. 8 inches in length—the Brambach Baby Grand is endowed with a remarkable, well-rounded, mellow, musically satisfying tone. A beautiful instrument at a remarkably moderate price.

Displayed and sold by foremost piano dealers everywhere.

BRAMBACH PIANO CO.
MARK P. CAMPBELL, President
645 West 49th Street New York City.

Kindly send me a Brambach Catalog, together with a Paper Pattern showing the exact floor space the Brambach requires.

Name .....

Address .....



Riddle

DECORATIVE LIGHTING FITMENTS

COLOR is for the first time made the dominant note in lighting fitments through the decoration in Silver Estofado and Gold Estofado employed in Riddle Fitments.

Thus the lighting installation, including wall and ceiling pieces, luminors, chair and table lamps, is brought into the general color scheme in a way that enriches and beautifies the whole interior.

Riddle Fitments are beautifully and durably wrought of metal. We suggest that you see them at your dealer's, if you are interested in fitments of truly decorative and artistic character.



This wall bracket, fitted with Vellumesque shades, harmonizes with ceiling piece above. At right is shown one of the Riddle torcheres.

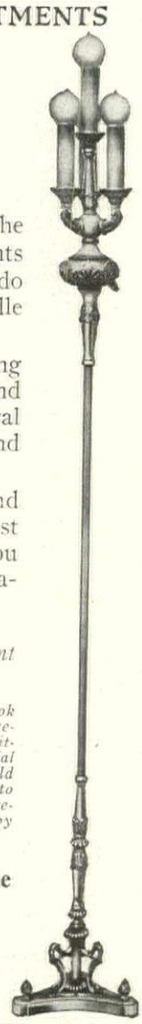
The Riddle Fitment Book

This is an informative book illustrated with full-color reproductions of Riddle Fitments for every residential lighting need. It should prove of special value to those intending to build, remodel or re-decorate. Copy sent on request.

The Edward N. Riddle Company

Toledo, Ohio

Makers of lighting fitments since 1892



If You Are Going to Build

(*Continued from page* 98)

in the delicate intricacies of those graceful, artistic stairs designed by the Brothers Adam, a beautiful example of which is seen in Gawthorpe House. At this time, both in England and France, the perfection of stairway achievement as an architectural detail was reached. After this there were many modifications and imitations and weak embellishments until the stairway became a more or less utilitarian product, remaining so in some of the most charming houses, down to present day architecture of England and the Continent.

Here in America the stairway, of course, comes under the head of essentially modern architectural detail, and we have been completely dominated, from the first of our stairways to the present day, by what we have called the Colonial type, which is often a free standing stair with extremely graceful outline, inspired somewhat by the late 18th Century English stairways and those beautiful combinations of wood and metal which were developed in England by Robert Adam.

Of course, we also have the solid wood stairway with one or two landings to break the flight, with one wall as protection and support. These are used particularly in our more simple homes. We are also, especially in our very modern houses where the question of fire-prooﬁng comes in, developing the concrete stairway, which, in spite of its qualities of safety and strength, can be made exceedingly graceful and appropriate to the richest interior decoration.

In addition to the fire-proof concrete stairways, the ingenuity of American manufacturers has evolved flights of stairs with steel frames. Of course, in the main, these are planned for the super-structures of big cities—factories, hotels, hospitals, schools, etc. Yet, in some domestic architecture, the steel framed stairs are found, finished with iron or bronze balustrade and handrail. Manufacturers are also making the all-iron stairway, and very picturesque effects are gained by a good use of iron in this way. Iron is also combined with wooden treads and risers and with concrete.

The real problems in the modern stairway are practical rather than est ic, because, although we are intere in fine architecture and in beaut graceful interior details, we rema comfort-loving people. We insist our stairs are easy to climb, conveni ly located in relation to the most rooms of the house and, if possible, proof. Although in the main the n els which we use or devise are simple, they are carefully thought in relation to the type of architec and of course in relation to the wo work and general color scheme.

Where our architects are follow period designs in architecture, natur the stairways are made to conform each particular style. For our squ delicately toned, cement Italian hou we use gracefully curving stairways s ported by the wall on one side and p tected by hand wrought Italian ba trades on the other side. Quite o fine antique handrails, balusters newels are brought over from Italy set up in these interestingly develo Italian homes, which seem especi appropriate to the water edge of Long Island landscape. One of our lustrations in this article is the libr of the office of Clinton McKenzie very charming, simple stairway wit wrought iron balustrade, a straight tle flight of steps, without curve elaborate ornamentation, but beaut to a degree, proving how significant is to use architectural detail only accomplish the purpose for which i needed. And it is in this way that will undoubtedly develop stairways, sentially in harmony with the r variation of architecture which springing up in the country, and wh is gradually, and quite rightly, beco ing known as "American."

In looking over the illustrations us simplicity will be found to be the k note of the modern stairway in t country, whether it is touched by beauty of old Italian designs or fluenced by the delicate charm of Adam brothers. Of course, we showing our much loved Colonial sta way, both the single stairway w landing and the double Colonial desi so much used in the finest of the New England and Southern homes.

The Spirit of the House

(*Continued from page* 48)

as a matter of fact, old houses are usually more comfortable than modern ones) would not live in an old house, at any price. They prefer newness, a spotless, unworn immaculacy of modernity. They don't want anything about them that has been used before. The touch of a varnished hand on old furniture does not appeal to them. Their own lives are new, they would seem to say, their surroundings shall be new to match. No new wine in old bottles. Perhaps it is a form of egoism, as perhaps, too, it is a form of fear. An old house must be shared with those who lived in it before. It casts a shadow over our own importance, it casts a shadow, too, over our hopes and joys. It menaces them or at least moralises over them. Generations of lovers happy as we have dreamed as we in our turn now dream in the old rooms, their children's feet were once heard in them as we thrillingly hear the feet of our own little ones this very hour, and, well . . . they are dust. You cannot even find them in the churchyard.

The familiar thought diminishes our sense of originality and dims for us our vivid moment. What is the old house, after all, but a *memento mori?* W shall die soon enough, but why dom cile ourselves with the thought?

So it is that some fear an old hous and flee with chilled hearts to the pa quet floors over which no dead fe have glided, switch on the floodi electric lights, and turn on the victrol In their brand-new house, they can on more feel their brand-new selves. An it is well, and quite understandable.

But there are others, less anxiousl and exorbitantly "themselves" perhap who prefer to sink the fret and hurr of their little egoism in the sense o the continuity of human experienc which an old house companionabl brings them. That the rooms have bee lived and loved in—even died in—makes them all the more livable. Tha the old garden has given its violets an gillyflowers to deck vanished bosom makes them the more fragrant today There seems a veritable understanding and sympathy in the old place, like the felt presence of invisible friends, and all we experience there of sorrow or joy seems not lonely in its bitterness, nor selfish in its rapture. Our experi-

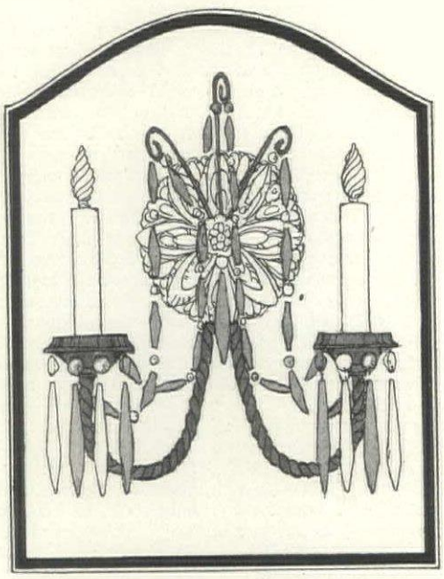
(*Continued on page* 104)

Miss Swift
Interior Decorations

11 East 55th St
New York



The Breakfast Room meets a real psychological need, particularly when it brings indoors, as a background for the day's work, the very spirit of the garden.



AN UNUSUALLY GRACEFUL SCONCE ADAPTABLE TO ANY INTERIOR. BACK PLATE, CHAINS AND PRISMS OF GLASS IN COLORS WHITE AND LAVENDER, WHITE AND BLUE OR WHITE AND GREEN $30.00

DISTINCTIVE FURNITURE
CHINTZES
COUNTRY HOUSE WALL PAPER
INTERIOR DECORATION OF ALL KINDS

MRS. GILLETTE NICHOLS, Inc.
402 MADISON AVE., NEW YORK CITY TELE. VANDERBILT 1069

Mc Gibbon & Co.



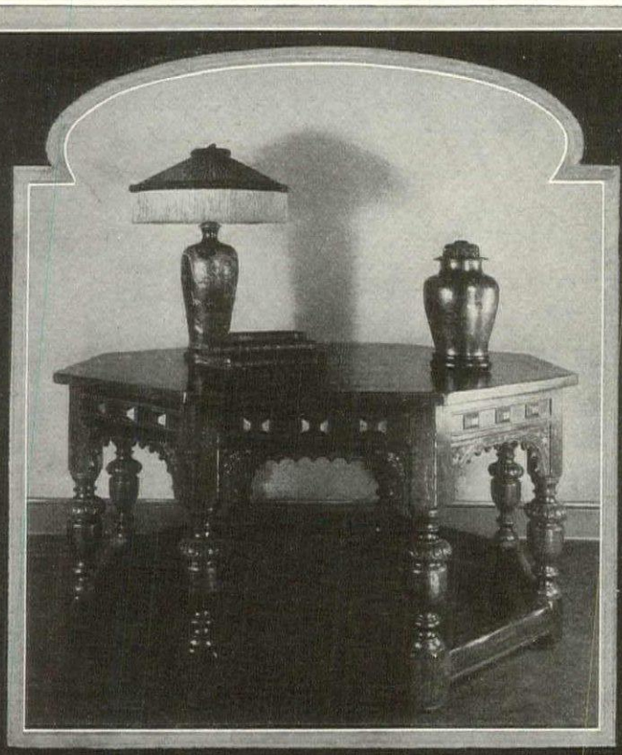
Candlewick Bedspreads

The mere name conjures up the charming old pieces. These unique spreads are made entirely by hand by the mountaineers much as in the olden days. Can be had all white or in shades to match any color scheme. Curtain drapes, Valances, Scarfs or tidies to match.
The spreads are edged with heavy hand made fringe.

Size 72 x 108 . . . . $18.00
Size 90 x 108 . . . . 21.00

1 and 3 West 37th Street New York
AT FIFTH AVENUE

Mc Gibbon for Satisfaction



UNMISTAKABLE ARTISTRY

The appreciation which greets Rorimer-Brooks designs is equally prompt from men and women to whom furniture is something with which to live as it is from students and connoiseurs who instictively gauge it on its artistic merits. Perhaps no higher praise can be given.

A noted authority prophesies that Rorimer-Brooks pieces will be treasured as family heirlooms and will be sought out by museums.

The Rorimer-Brooks Studios

INTERIOR DECORATORS AND CRAFTSMEN
FURNITURE FABRICS RUGS AND OBJETS d'ART

2232 Euclid Avenue
CLEVELAND, OHIO

The Spirit of the House

(Continued from page 102)

ence is not diminished but aggrandised by the fact that the wise old house has known it all before so many times, so many times. And should it chance that those who thus companionably haunt the old house are of our own people, then indeed we may say we are at home.

Old houses, also, apart from their thus having been seasoned by humanity, provide that imaginative escape from the present—these horrible times in which we live, and the shadow of the more horrible future threateningly ahead—which will become more and more a necessity for really civilized people. No one lives as much in the present as he believes. The most practical protect their lives by some form of illusion. The Romantic Past, historically speaking, may be an illusion, but it is none the less an imaginative reality. As we look back, there are certain "spacious times," and "golden ages" where our spirits seem more at home than in our particular "living present," and whither we would fain transport ourselves. There are old houses up down the world which do this fo like a magic carpet. Those of us are able to live where we please only choose our century, and find selves there by buying or renting a house in Arles, an abbey in Tour or a veritable castle in Spain on slopes of the Pyrenees. If we pr Oriental to Occidental civilization, can migrate to Stamboul or acqui rose-garden in Persia; or, if we pr a home that suggests no civilizatio all, or the ways of no particular rac men, we can buy a coral island, out of the coral rock build for ourse a white palace, which shall be f neither with the ache of human m ories, nor with the voices of the hu ing hours, but which shall dream day in an azure solitude, peopled by radiant impersonal presences, wh as in the house of Duarisdeer, t shall be "a sound of the sea in all chambers," and at night we shall h suspended in a mirror of stars.

MODEL ROOMS

The Architectural League Exhibition

NO one questions the great value of the Architectural League annual exhibitions. They are so significant, in fact, that they should be held every year in all the principal cities of this country. The Architectural League does for the building and home making world what the country fair used to do for the farmer, bringing workers together and enlightening the layman.

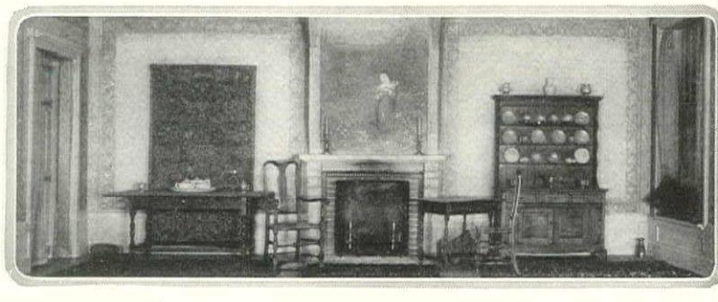
At least, this is what the New York League used to do; but in the recent exhibitions, we notice an increasing tendency to enlarge the scope of the League, almost to change the purpose of the organization. It has become less an architectural exhibit and more an opportunity for the display of all kinds of housefurnishings and decorations from wrought iron to porcelains. All interesting as side issues of the League; but encroaching so on the original purpose of the exhibition that this year, houses and gardens have become the side issues. And of the architectural designs shown, fully fifty per cent were public buildings, mausoleums and memorials. It is almost as though the League this year had offered a prize for the most elaborate monumental work; and homes, charming, friendly, American homes, are the exception, not the rule.

Unquestionably in this country all roads lead to the home. And of course the homemaker wants to know about furnishings and fittings, about such rich silks as were displayed at the League by the Cheney Brothers; the rarely fine reproductions of Hepplewhite furnit displayed by the Kensington Compa it is interesting to realize that Danersk people reproduce not only Colonial walnut with a surface velvet but copy old pine Georgian do with quite the beauty of form and or mentation of the original; we like glimpse of Sargent's decorations for Boston Museum, as much as we like any of Sargent's decorations; we are interested in the batik bann made by everybody for every kno purpose.

The display of stained-glass windo is important as are the American r and carpets and floors. But in main, what we go to the Architectu League for with a high heart ev March is to see domestic architectu and gardens appropriate to Ameri houses and scenery, to find out wh the architects are planning, and to in what way the builders realize architect's plans. We don't care a ha about the way the exhibition looked l year up at the Metropolitan Museum Art. We went to it. And having guide we couldn't find any houses a gardens at all.

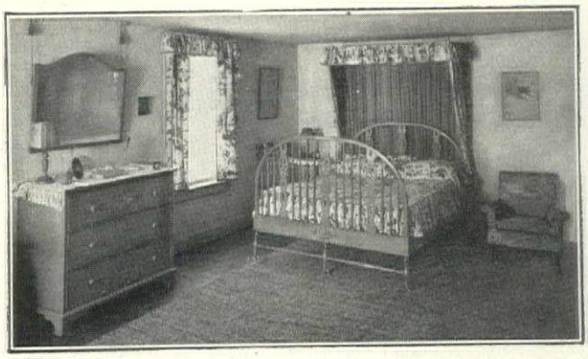
How the houses in this country being made more beautiful, comfortab convenient and practical—what n building materials have been develop —what new roofs are being man factured—what new colors have be devised in paints and stains—how o houses can be made weatherproof, su

(Continued on page 108)



An early American room designed and decorated by William Laurel Harris. Pinkish walls and woodwork with walnut furniture. Upholstery materials by Orinoko Mills; furniture, Kensington Mfg. Co.; lighting fixtures, Sterling Bronze Co.

Danersk decorative furniture—*Exquisite artistry in colors of your choice*



WHAT is more delightful for a guest room than a well planned group of decorative furniture, finished in the colors of your choice and executed with exquisite artistry. You do not need to compromise on stock pieces made for a thousand others if you will call at one of our salesrooms.

For example, a Windsor group of Early American pieces may be finished in antique Venetian blue and gold with a colorful theme in harmony with your chintz; or a totally different scheme such as grey-green and black with diminutive flower festoons on the black background.

Danersk Furniture for all rooms of the house must be seen to be understood. Decorators and their clients are always welcome.

ERSKINE-DANFORTH CORPORATION

2 West 47th Street, New York

315 No. Michigan Ave., Chicago — 643 So. Olive St., Los Angeles

Send for Early American Brochure C-5



KAPOCK

GUARANTEED

Silky Sunfast Fabrics

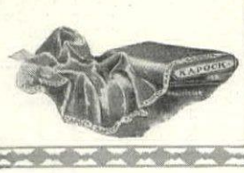
Colors bright as the flowers of spring, or gorgeous as autumn leaves. Designs, the acme of beauty and refinement. Fabrics, the utmost in silky loveliness. And yet KAPOCK'S "Long-Life Colors" and double width for splitting make it the fabric economical.

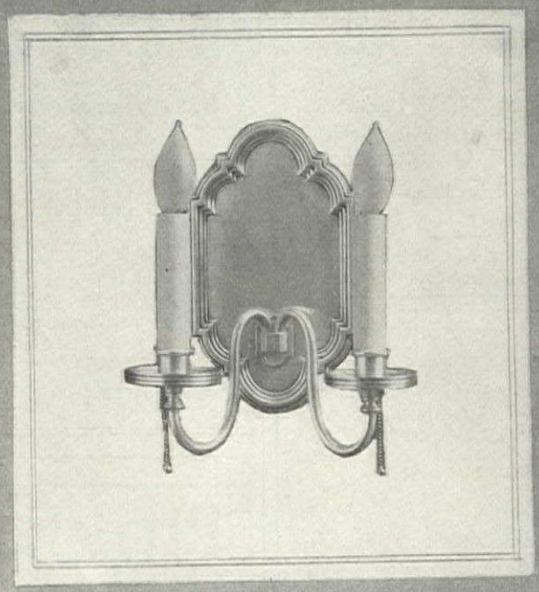
Send your dealer's name and receive copy of "KAPOCK SKETCH BOOK" beautifully illustrated in colors.

A. THEO. ABBOTT & CO.

Dept. C Philadelphia, Pa.

Be sure it's KAPOCK. Genuine has name or white basting thread on selvage. →





SIMPLICITY AND DIGNITY IN A GEORGIAN SCONCE

CASSIDY COMPANY

INCORPORATED

Designers and Manufacturers of Lighting Fixtures

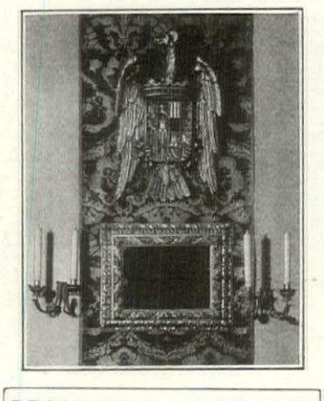
Since 1867

101 PARK AVENUE AT FORTIETH STREET

NEW YORK CITY

DIRECTORY of DECORATION & FINE ARTS

The Little Gallery



DECORATIVE ACCESSORIES
REPRODUCTIONS OF
ANTIQUE BROCADES

4 East 48th Street, New York City

Oriental Rug Distinction

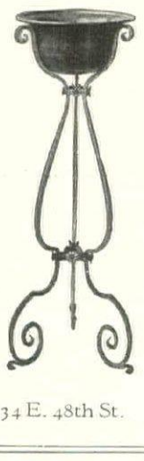
I means thick, glowing antiques made for love of art. About 100 found annually, are harmonics of color. Such is my collection. Descriptive list mailed to critical rug folks. Then, if you like, I will prepay the most interesting pieces on approval for selection.

Prices are down one-half and are on 1912 basis, despite decreasing supplies, no production, and advancing prices abroad.

L. B. Lawton, Skaneateles, N.Y.

DARNLEY

Inc.



WROUGHT IRON FLOWER OR IVY STAND. 40 IN. HIGH. WITH COPPER BOWL 13 IN. DIAM. ANTIQUE OR GREEN FINISH.

COMPLETE $18.

34 E. 48th St. NEW YORK



Your Summer Porch

This Porto Rican wicker basket fastens on the arm of your favorite porch chair, and conveniently holds books and magazines. The tray would be ideal for serving iced drinks in summer. The little basket lends a charming touch of color to the porch table.

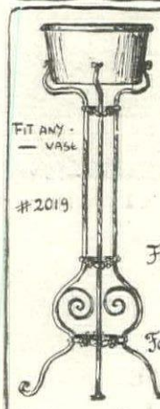
Large Basket $4.00 Tray $1.50
Small Basket $2.00

Megill
NEW YORK PORTO RICO

38 East 48th St. New York City

The Florentine Craftsmen

— WROUGHT IRON of DISTINCTION —
253 CHURCH ST. - NEW-YORK
CREATIONS AND — REPRODUCTIONS
PHONE FRANKLIN 4304



Flower Stands

SIZES + PRICES

FIT ANY - — VASE

#2019

5'	HIGH	$22.50
4'6"	"	" 20.50
4'	"	" 18.50
3'6"	"	" 16.50
3'	"	" 14.50

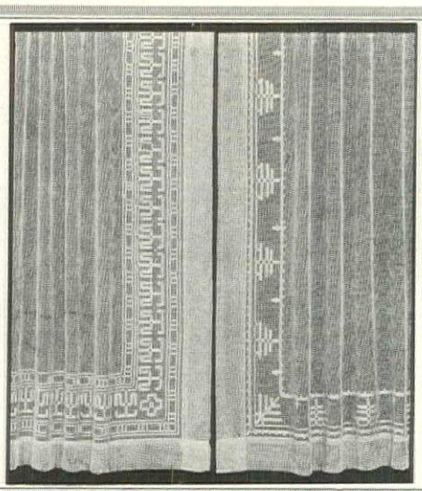
Finished in black or green polychrome

For old florentine polychrome 20% more

Copper or Iron pots —
14" diam. 8" high $5.50

Other designs in Stands — LAMPS — LANTERNS - etc - in stock —

VERP



Filet Net Curtains

THE most beautiful of all curtains. Hang straight, wear well, launder perfectly. Hand-made in original designs, $10 per pair up. Net by the yard, thread by the skein.

Hand-woven fabrics in artistic coloring suitable for draperies and furniture covering. Hand-woven rugs to match color schemes.

Call or send for circular.

Harriet de R. Cutting
6 EAST 37th STREET
NEW YORK CITY

The Platt Shop

For Interior Decorations and Furnishings at moderate prices



Write or telephone
THE PLATT SHOP, Inc.
2 East 46th Street
New York
Telephone Murray Hill 5054

The Mood of Summer

Are you planning to dress your rooms in their warm-weather garb? And are you a little in doubt about the decorations—or where to get them? Then let House & Garden help you. Write to

Information Service
HOUSE & GARDEN
19 West 44th St., New York

MACBRIDE

OF
"THE HOUSE OF THREE GABLES"
17 WEST 51ST ST., NEW YORK



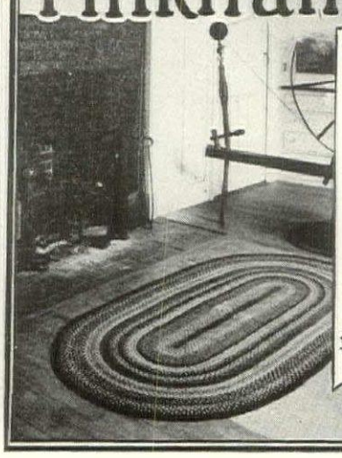
Handmade Filet and Silk Shade $50.00

Carved Wood Lamp $30.00

Antique Oak Table $92.00

DECORATIVE INTERIORS

Pinkham Home Braided Rugs



The fifth generation of Maine weavers braid Pinkham Rugs for you in their own homes. They take honest pride in their handicraft. And every Pinkham Rug has woven into it the sturdiness and individuality that form the peculiar merit and the beauty of the hand-made.

Braided in rounds and in ovals of soft-toned new materials and on sale at the leading stores. Endless color combinations. Send us samples of your chintzes and wall coverings. Our artists, without charge, will submit color sketches in harmony.

PINKHAM ASSOCIATES, Inc.

3 Marginal Road Portland, Maine



A. Lasslow

Designer of Leather Screens and Wall Panels

Hand Painted in Antique Effect

STUDIO
219 East 60th Street
New York

JESSICA TREAT



Interior Decoration
Architectural Advice
Decorative Objects

1512 Harlem Boulevard
Rockford, Illinois

The MACBETH GALLERY

1892 1922



"Peacock Feather" WEIR

FOR THIRTY YEARS
DEVOTED TO THE SALE OF PAINTINGS BY
AMERICAN ARTISTS

Anniversary number of ART NOTES *mailed on request*

450 Fifth Avenue *at Fortieth Street* New York City

BEATTY & BEATTY
101 Park Avenue
New York

Consultation
Direction
Development

Gardens
Sun Rooms
Interiors

and

Garden Rooms

The NEW YORK SCHOOL of INTERIOR DECORATION
101 PARK AVE · NEW YORK CITY



Correspondence Courses

Complete instruction by correspondence in the use of period styles, color harmony, composition, etc. Course in Home Decoration for amateurs. Course for professionals. An agreeable and lucrative profession. Start any time.

Send for Catalogue H.



Genuine Reed Furniture

DISTINCTIVE CREATIONS

There's an atmosphere of refinement and quiet elegance about Reed Shop Designs that makes them pre-eminent in the realm of Reed Furniture.

HIGHEST QUALITY
BUT NOT HIGHEST PRICED

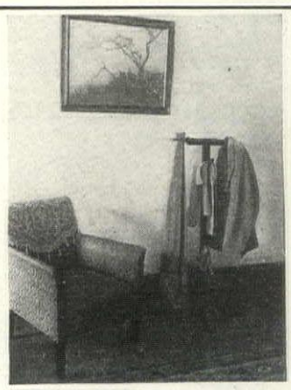
Our showing of Imported Novelty Cretonnes and Linens for decorative purposes includes Patterns and Colorings to meet every requirement — an unusual line that must be seen to be appreciated.

Come in and let us solve your Drapery Problems for you

The REED SHOP, Inc.

581 FIFTH AVENUE, NEW YORK

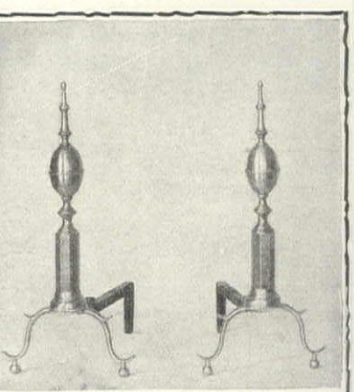
"Suggestions in Reed Furniture" forwarded on receipt of 25c postage.



The Nightrack

AN orderly attendant for day clothes at night. Each garment has its place—all in one place. Clothing held to form, freshened and ventilated. Racks in mahogany and walnut. Ivory and colored enamels on maple made to match samples. A useful and attractive service for bed and dressing rooms. For men's and women's clothes. **Price $15.**

HOPE HAMMOND STUDIOS
HUNTINGTON, WEST VA.



Design 259 Brass 18" High

EARLY AMERICAN ANDIRONS

Reproduced in Brass and Iron

This pair $10.00

Catalogue H sent on request

THE H. W. COVERT COMPANY
137 East 46th Street, New York.



Your Garden

From the commonplace to the interesting is but a short step. Even the ordinary garden may have charm and individuality through the addition of a bit of statuary, a bird-bath, or a vase; and superb effects can be achieved by those who give a little thought to the harmony that exists between verdure and weathered stone. Study the possibilities of your garden. Our catalogue illustrating a great variety of garden ornaments executed in Pompeian Stone, at prices that are practically normal, will provide innumerable suggestions.

THE ERKINS STUDIOS
Established 1910
240 Lexington Avenue, at 34th Street, New York

DECORATORS STUDIOS
222 WEST 23rd STREET NEW YORK

Longfellow Tray $25.00

Empire Flower Urn $25.

Early English Tray $20.00

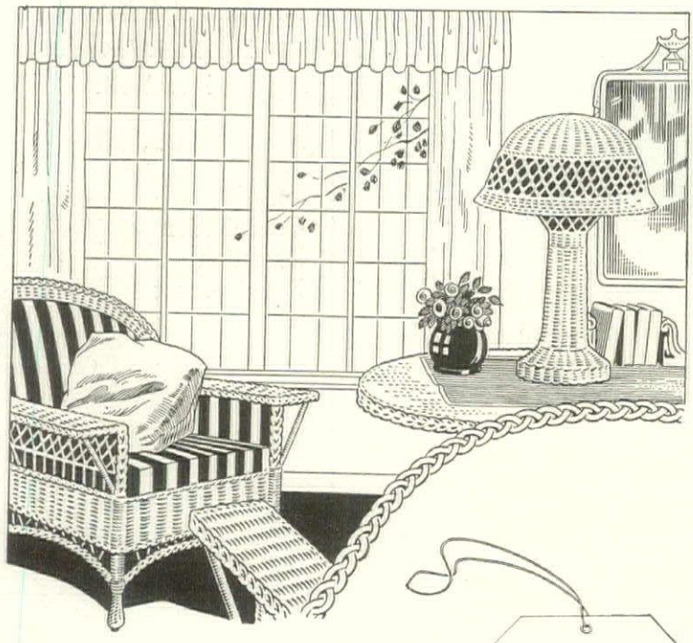
18th Century English Urn $30.00



Turned Crane Bracket Table $56.00

INTERIOR DECORATIONS

Telephone Watkins 6200



Willow Furniture
should be more than beautiful
it should wear a Lifetime

EVERLAST Willow Furniture is made with a two-fold purpose—to add charm to your home and to give a lifetime of service.

The expert construction of Everlast Willow Furniture positively prevents sagging and minimizes the wear so that even years of constant service will not diminish its lasting qualities.

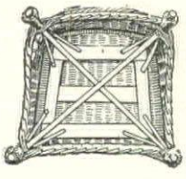
Pleasingly designed and brightened with beautiful cretonnes, Everlast Willow Furniture will make your home cheerful, attractive and a more delightful place to live in.

Ask to see Everlast Willow Furniture. It is on sale at the better Furniture and Department Stores. You can tell it by the Red and White Guarantee Tag.

Made only by
UNITED STATES WILLOW FURNITURE CO.
Hoboken New Jersey



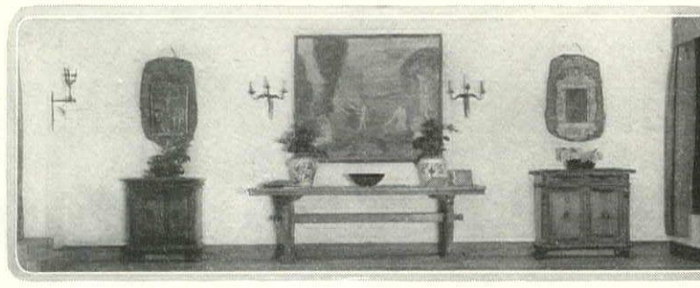
Look for This Tag
It protects you against inferior "willow," "fibre" and "reed" products. It is to be found solely on Everlast Willow Furniture.



Note This Scientific Construction
It re-inforces the seat, the legs and the sides. It gives the furniture durability far exceeding requirements. It is so unique that patents have been applied for to protect it. It is to be found solely in Everlast Willow Furniture.

BEFORE YOU BUY
BE SURE IT'S

Everlast
WILLOW
FURNITURE
"Good for a Lifetime"



A living room designed by Mortimer Lichtenauer; rich mural decoration on plaster walls, red and yellow brocade at the door; oak furniture, Kensington Mfg. Co.; wrought iron fixtures by Sterling Bronze Co.

Model Rooms

(*Continued from page* 104)

proof, waterproof—how the finest of our architects are actually developing an American domestic architecture—to what extent this architecture varies in the east, west, south and north—to solve these problems are the reasons why we visit the Architectural League.

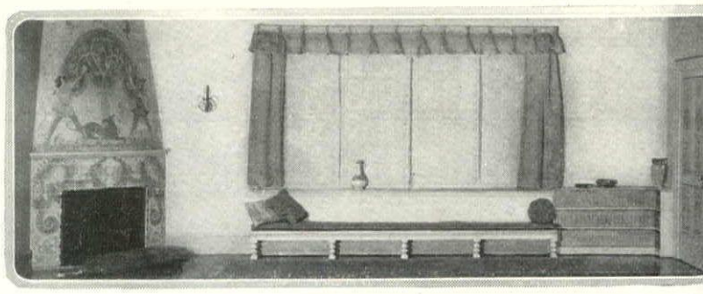
For the sake of architects all over this country, for the sake of people who want to build, who want lovely appropriate gardens, the League should be really made an educational course in the designing of houses and in the making of gardens. But this is not true at present. I fancy people go to the League to study architecture and landscape gardening, and then go away and read HOUSE & GARDEN, which never fails in any issue to present new domestic architecture of the finest type and suitable gardens.

Of course, in spite of our seeking mainly houses and gardens, at the recent exhibition, our attention was arrested and our imagination thrilled with Bertram Goodhue's magnificent design for the proposed Capitol at Lincoln, Nebraska—an architecture superb in purpose, practical in intention, suited to the landscape and essentially a glorious exposition of the spirit, the finest spirit in this country.

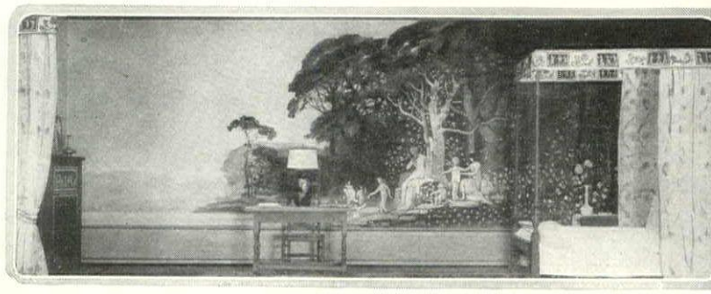
We were also much interested in the envelope idea in relation to the New York Zoning Law, the enve being the form in which the buildin right proportion and size is conta and which is developed by the ar tect into the design which will be ar tecturally complete. We liked, Mrs. Macgonigle's fantastic designs playing-cards. And most enchan were the Swedish porcelains by Oakley Todden, Jr. We were arre also by the new concrete mixture which walls may be covered, even b amateur, and on which mural paint can be made in a most delightful fashi

Perhaps the most fascinating exh tion of all was the collection of s size model interiors, each one ha been designed and executed by known artists with every detail of ting in the room, supplied by author on that particular line of work. finest reproductions of antique furni was shown in miniature with beau wrought iron fittings, interesting m decorations and some delightfully o nal schemes of decoration, by such as Arthur Covey, Mortimore Lich auer, Julius Gregory, Arthur Crisp, liam Laurel Harris. Reproductions these rooms are being used to illust this article.

M. F. I



An architectural scheme of living room by Ely Jacques Kahn. Brilliant mural decorations by Arthur Crisp. Cushions and rugs by Grace Ackerman. Metal fixtures by the Sterling Bronze Co. General tone pinkish yellow



A unique bedroom decorated by Morris Hewlett represents an experiment with both radical color and delicate tones in one small room. Gorgeous green and blue mural makes background for the bed. Furniture by C. R. Mopson

The Heating Story of this House

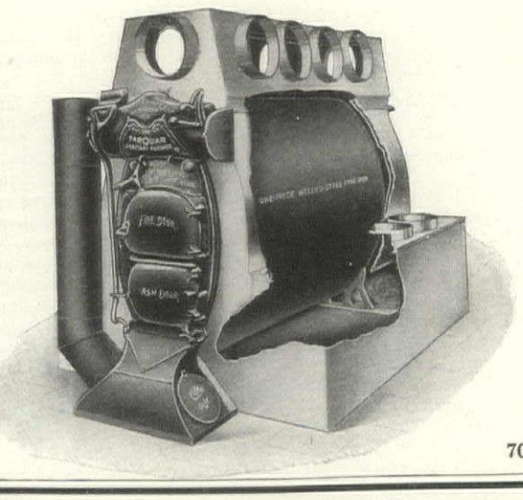
—as told by the Owner

MANY people seem to think that filling the home with "hot air", solves the house heating problem. They forget the dangers and disadvantages which lurk in such methods.

Fresh, wholesome air is essential to the successful and healthful heating of any home. The moment your home becomes permeated with air contaminated by fire gases and poisons, that moment does your heating plant cease to serve and begins to destroy.

Any home can be comfortably heated, yet amply supplied with fresh, pure air, gently heated to the proper temperature by the use of the

"FARQUAR" SANITARY HEATING SYSTEM



A fire box that is positively air-tight,—electrically welded without rivets or seams,—prevents any possible escape of gases or poisons.

Cool, fresh air is brought into the air chamber at bottom of furnace, then passed upward, along and over the welded steel fire box, where it is gently heated, then distributed into the rooms at a temperature not exceeding 150 degrees F.

FarQuar Heated Homes are always fresh and comfortable; never "close" and "stuffy" with scorched or superheated air.

Interesting Booklet on Heating—FREE

"The Science of House Heating" is an attractive booklet prepared especially for home owners. It tells some interesting facts about the Modern and Scientific Method of House Heating and Ventilation. A copy will be mailed free on request.

The Farquhar Furnace Co.

704 FarQuar Bldg. Wilmington, Ohio, U.S.A.



Residence of John B. Sokup, Cincinnati

Here's a letter Mr. Sokup wrote in 1909:

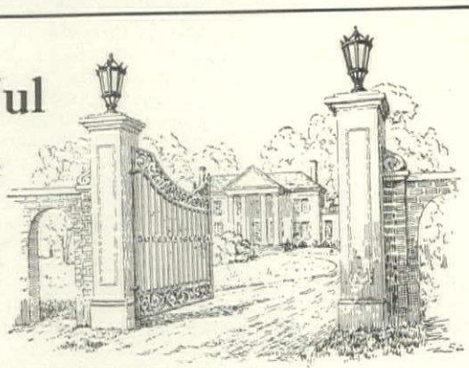
"The FarQuar Steel Self-Regulating Furnace fully meets every requirement. The self-regulating device never fails to operate. My home is comfortable at all times. I fully believe it has saved me many dollars in doctor and coal bills. 'The FarQuar' certainly does all that you claim for it."

—then in July, 1921, 12 years later, he wrote this letter:

"The FarQuar Furnace installed fifteen years ago has given entire satisfaction. For the first eight years we used Coal and for the last seven years have used Gas. It is economical with either fuel. We have never found it necessary to make any repairs since the furnace was installed and it is in perfect condition today. It surely is a pleasure to recommend an article that has given such entire satisfaction."

It is such evidence that proves FarQuar Efficiency.

A Cheerful Radiance at the Gate—



Reflects true Hospitality Beyond

Graced by standing or bracket lamps, the impressiveness of your gate is enhanced, its beauty increased, and its welcome made doubly inviting. And what is more significant of warm hearts and warm hearths, within the home itself, than the cheerful beams of a picturesque door lantern, or the glow of a quaint porch light?

Yet the benefits of exterior lighting are twofold—for these rays of invitation to those you know both warn and repel the mischief-maker or evildoer.

Smyser-Royer Exterior Lighting Fixtures

meet every need of the modest suburban home, the extensive country estate, or the public building. Years of experience in metal working has developed a line which includes everything from a simple bracket lantern to the most elaborate lighting effects.

And the name—Smyser-Royer—is a tangible, time-tested guarantee of superior craftsmanship and long-lasting, weather-resisting beauty.

SMYSER-ROYER COMPANY

Main Office and Works: York, Pa.
Philadelphia Office: 1609 Sansom St.



SEND US THIS REQUEST BLANK

for "The Lamp of Hospitality," a little book containing some interesting information on Exterior Lighting. Every architect and contractor should have our Catalog "F."

Name.....

Address.....

the W. Irving Forge, inc.

hand forged Colonial hardware.



The W. Irving Knocker No. 613

W. IRVING TRADE MARK

W. Irving HAND-FORGED HARDWARE is most distinctive HARDWARE

For Homes, Churches, Camps or Bungalows of individuality.

Lighting Fixtures, Bells, Lanterns, Shoe Scrapers, Toasting Forks, Fireplace Sets, etc.



No. 161

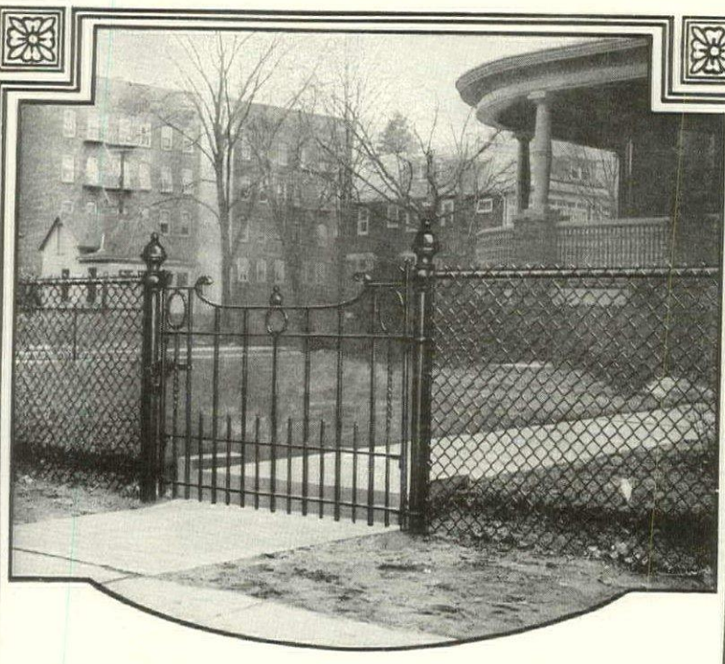


The W. Irving Hinge No. 60

Write us or visit our shop

326-328 East 38th St. New York City

Telephone Murray Hill 8536.



This Fiske Ornamental Gate

IT is the correct sort of entrance gate for a lawn fence—to be used with a chain-link fence (as illustrated) as well as with an ornamental iron fence.

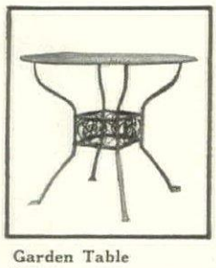
It has both beauty and endurance—is rust-proof and sturdily made.

The Fiske chain-link lawn fence and this handsome entrance gate make an ideal installation for enclosing the lawn.

The great longevity of Fiske fencing is not only the result of rugged construction, but also because the wire fabric is galvanized *after,* not before, it is woven.

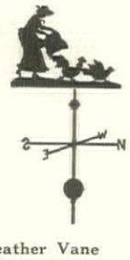
We contract to do either the installation work or to furnish plans and blueprints with full erecting instructions.

Send for Fiske catalog 15



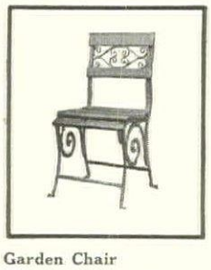
Garden Table

Folding and permanent wrought-iron tables; also heavier cast iron tables. All rust-proofed the Fiske way. Send for special catalog.



Weather Vane

Fiske weather vanes of every description, simple or elaborate in design. Also special designs. Made of copper. Send for special catalog.



Garden Chair

Wide variety of designs in garden chairs and settees to choose from. Rust-proofed against all sorts of weather. Send for garden chair catalog.

J.W.Fiske IRON WORKS

ORNAMENTAL IRON WORK

80 Park Place ~ New York

ESTABLISHED 1858

The Advantages of the Oil Rang

(*Continued from page 75*)

a lamp wick. Nothing new in this.

6. Watch your reservoir; never allow it to run dry or your range to burn dry. Form the habit of watching it daily, and you will never regret it.
7. Under usual circumstances one wick should last several months.
8. Clean wicks daily for best service.
9. Correct unevenness of the wick with a pair of scissors.
10. For re-wicking, arresting any other troubles, consult the "guide book," which gives directions simply.
11. But remember when you get any kind of range you must set it up solidly and level before filling with oil or cooking upon it. Put it in a part of the kitchen away from draughts and where you would put any other stove.
12. Every range has special directions for inverting reservoir and refilling, but in the best types it is always very easy and simple, needing no strength or skill.

And so in the best type of the wick range we have the possibility of cooking everything that any family or its guests need.

Wicks are easily bought all over the world. The stoves heat rapidly; the oil reservoir is easy to fill; your hands need never be oily, unless through crass carelessness. There is a basin shaped stove base to collect char and dirt and the feed pipe is so placed as to make cleaning easy.

All the parts should be easily removable for cleaning and all should be simple and visible in every part. This grown up lamp should have all these modern twists.

In the best of the wick type you should have the best vitreous enamel, where it is enameled, baked in at least three times; solid brass wick tubes; best grade of steel tubing and heavily tinned plate pipes where necessary.

In the long chimney wick type the flame never touches the vessel. In the short drum type the flame does touch. One wick type manufacturer makes a perfect long chimney type yet also makes a short drum type to give all consumers their hearts' desire.

Wickless Ranges

The wickless, as its name implies, has no wick but carries the heat directly to the cooking vessel and therefore shortens the cooking time a little as the heat reaches the spot more quickly than it can in the long, non-flame touching type of range.

In this type of range a kindler is employed. This kindler is a round asbestos ring (costs about 10 cents to replace) which lies in the burner bowl and is slightly corrugated at the top and stiffened by a metal band. Its function is not that of a wick at all. It is rather the self-starter of the stove and its business is to light the oil and start the cooking. The stove is lighted by applying the match to the kindler which is saturated by oil (from its very position) and this ignition of the kindler furnishes sufficient heat to the surface of the oil to turn it into a gas. After the burner is started the heat automatically keeps the gas forming (vaporizing) as long as there is oil in the burner. So you can see that all the kindler does is start the gas ball rolling.

The wickless type of range is equipped with a 12″ seamless burner, which will last several years. The regulation of the heat is managed by lowering or elevating the oil in the burner bowl. The greater the area of oil exposed on which the heat from the kindler ring can act the greater the amount of gas formed and released, and inversely the smaller the area of oil su face exposed, etc.

This range, in its best forms, er ploys a lever with dial, which wh turned by the cook to the point in t dial she knows by experience she nee automatically and mechanically a justs the heat from simmering point the most intense heat through a he scale of from "no heat" to 30 Fahrenheit.

With the dial there is taken out oil cookery the guess-work whi resides in most cookers.

Here is used the short chimney, wit very concentrated heat focused whe it is most needed.

In lighting, you turn the lever t the word "light" on the dial. After th kindler is saturated, generally a fe seconds after switching the lever, th chimney must be raised and the matc applied in a few spots to the kindle In a few moments your blue flame going full blast or any blast you de sire depending on your lever setting.

Gravity supplies the oil here too as in the wick type. The reservoi with its glass bull's-eye to detect o quantity holds a gallon of kerosen sufficient to last sixteen to eightee hours for one burner, or at the rate o about one cent per hour. Refillin these reservoirs is very simple, an when you go to buy an oil range thi is one of the things you must insis upon. Unscrew the cap in this cas and pour in your oil, that is all. There are a feed pipe and release which gathe any sediment that may be in the oil

Flame Regulation

Experience is the best teacher in the way of knowing where you must set the lever to get the hottest flame. Sometimes dependent on varying conditions, the flame may be highest when the lever is over the 12th division of the dial; sometimes it may be at 6 or 7 on your range. This sort of thing you learn by knowing your range. Some oil will, of course, be left in the burner after the light is turned off. Therefore you must expect it to burn a little while after you have turned your lever to "out."

The blue flame to be just right must touch the vessel with its uttermost tip.

On some of the most modern of this type is a match scratcher plate which makes it easy to light the match without using your shoe, a good white wall, or the seat of your pants.

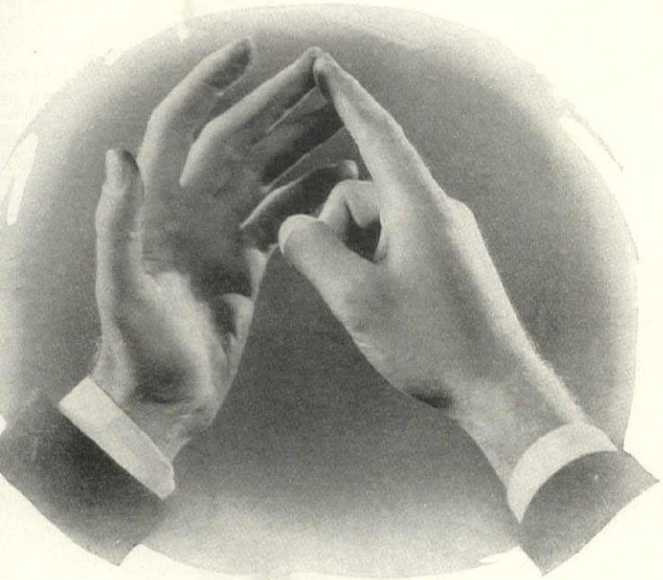
Every stove of this class is made of the finest pressed steel, and where the enamel is used it is of vitreous variety with three bakings. There is an all white stove, too, to fit in with the bridal effect of the newer kitchens.

The good points of the wickless stove are many:

1. No wicks to clean.
2. Unleakable.
3. More powerful burner than anywhere else, being 12″.
4. Burner 100% odorless.
5. Delivers heat where it does the most good.
6. Acts a little quicker than other types.
7. More economical in upkeep.

Either one of the stoves herein outlined is the best on the market as to type and manufacture. If you have to buy a stove try and get the most for your expenditure by a collection of the best traits in the stove. No mechanical device is perfect without perfect handling. If you do not put in the wick correctly, or if you do not light your kindler sufficiently you will have trouble. If you put a tire on your car in the wrong way you would not

(*Continued on page 112*)

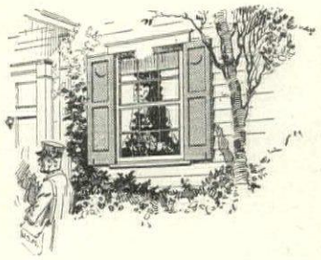


Five Points About ANACONDA Brass Pipe For Plumbing

1. ANACONDA semi-annealed, seamless brass pipe for plumbing resists water corrosion. It is indispensable for service systems buried under pavements and for concealed lines within the building.
2. ANACONDA semi-annealed, seamless brass pipe is guaranteed against splitting.
3. Every piece of ANACONDA semi-annealed brass pipe is tested by subjecting it to an internal hydraulic pressure of 1,000 lbs. to the square inch.
4. ANACONDA semi-annealed, seamless brass pipe will not choke up with deposits.
5. ANACONDA semi-annealed, seamless brass pipe is cheapest in the end. It satisfies the property-owner because it endures. It safeguards the architect's and contractor's reputation for doing good work.

THE AMERICAN BRASS COMPANY
WATERBURY, CONN., U. S. A.

ANACONDA
from mine to consumer



A good home ages gracefully

Why are some of the homes built in early colonial days among the most charming homes of today?

They are old, but throughout the centuries they have been maintained and cared for because they inspire home love and home reverence.

Their charm is their woodwork—their entrances, doors, windows, moldings, stairs, corner cupboards, paneling.

When you plan a home you cannot look too carefully to woodwork details.

Curtis Woodwork brings the home spirit into a house. Its quality insures the graceful aging of a home.

Foremost architects have drawn every line of Curtis Woodwork. Lumber experts select and prepare every piece of wood in it. Skilled workers construct every article of it.

After inspectors approve it, each piece is stamped with our name. This is like an individual rather than a corporate guarantee to you.

CURTIS on woodwork means a class, a quality, rather than a style or type.

All over the country retail lumber dealers sell Curtis Woodwork at prices low for such quality and service to home builders.

See a Curtis dealer. Study his big Curtis Catalog. Write us today for beautifully illustrated literature.

1866 CURTIS WOODWORK
"The Permanent Furniture for Your Home"

THE CURTIS COMPANIES' SERVICE BUREAU
Dept. H Clinton, Iowa

Maintained by the following Curtis manufacturing and distributing plants:

Curtis Bros. & Co., Clinton, Iowa
Curtis & Yale Co., Wausau, Wisconsin
Curtis-Yale-Holland Co., Minneapolis, Minn.
Curtis Sash & Door Co., Sioux City, Iowa
Curtis, Towle & Paine Co., Lincoln, Neb.
Curtis, Towle & Paine Co., Topeka, Kansas
Curtis & Bentley Co., Oklahoma City, Okla.
Curtis Door & Sash Co., Chicago, Illinois
Curtis Detroit Co., Detroit, Michigan

Sales Offices at Pittsburgh, New York and Baltimore

The makers of CURTIS *Woodwork guarantee complete satisfaction to its users. "We're not satisfied unless you are."*

If your home plans have not taken shape you will find our "Better Built Homes" of great help to you. Each volume contains floor plans of at least 32 homes, with both exterior and interior views. Use the coupon for convenience.

THE CURTIS COMPANIES' SERVICE BUREAU
Department H. Clinton, Iowa

Enclosed please find in stamps for which please send me "Better Built Homes," Vol. VI (3, 4 and 5 room houses), 50c; Vol. VII (6, 7 and 8 room houses), 50c; Vol. IX (50 bungalows, story-and-a-half and two-story houses), 50c. Check the one or ones you want. ☐ Vol. VI. ☐ Vol. VII. ☐ Vol. IX.

Name .....

Street or R. F. D. .....

Town ..... State .....



The Ja-Nar
RADIATOR COVER

Covers your low radiator and forms a window seat

AS pleasing in design and finish as a piece of fine furniture, the *Ja-Nar* Radiator Cover fits in ideally with your interior decorating motif. You have a choice of seven exquisite finishes, or can secure a special coloring to match surrounding woodwork exactly. Being made of the best grade furniture steel, it will never warp, split or discolor.

The *Ja-Nar* Radiator Cover is now obtainable in standard sizes to slip over low radiators in old or new homes, without muss or fuss. In place of unsightly radiator coils, you have an attractive window seat. It will not become hot. You can arrange books, flowers, or any object on the top, or place furniture right next to it without danger of warping.

It protects draperies and wall paper from the streaking and staining a radiator always causes when uncovered. A *Ja-Nar* Radiator Cover costs no more than a good chair.

The *Ja-Nar* Radiator Cover does not shut off any heat. It increases the radiation slightly and sends the warm air out close to the floor, where it does most good. Cold air is taken from the floor, warmed inside the insulation-lined cabinet, and passes into the room through the louvres, or openings.

You can also obtain *Ja-Nar* Radiator Covers to conceal high radiators.

Write today for our folder containing all the interesting details of the Ja-Nar. It will be sent without charge, together with information as to where Ja-Nars may be obtained. Please address department S.

THE FULTON COMPANY, Knoxville, Tenn.
Representatives in all the larger centers

Manufacturers of Leakless Radiator Valves, Temperature Regulators, Pressure Regulators and other Sylphon Specialties



Automatic Temperature Control

For warm air heating, just place the Sylphon Regitherm on any convenient wall in your residence and set the indicator, thereby insuring uniform temperature through its control of the dampers on your furnace. This little instrument is entirely self-contained; there is no electricity required, no clock work to wind or run down, and it is absolutely silent in action. It can be used with any furnace or boiler and even on systems where the steam is supplied from the outside.

PRICE COMPLETE, $35

Write for descriptive literature on the Sylphon Regitherm.

The Advantages of the Oil Ran

(*Continued from page* 110)

blame the car, yet the tendency is always to blame the oil range and immediately call up your dealer and say that your stove is smelly or that the wick won't burn or that the kindler won't start, etc.

The best firms give every consumer a little text book to consult when in difficulty.

These stoves even in electric and gas regions are used in summer because they are cool cookers.

The advantage over coal is evident, as there is no fire to clean out, no kindling wood necessary, no ashes to carry and no coal to lug about, to say nothing about wondering about dampers, flues and the like.

In all ranges burning oil of the best makes you can have all the heat you want and as little as you want as well.

On all well proportioned ranges you can put some of the excellently constructed ovens.

The ranges come with from one burner to five burners. Some are built in cabinet style, with shelves, etc. Some just plain style. As yet none of the cooking surfaces is quite high enough; a few inches added to their stature would make cookery easier on the human back. The cabinet size usually stands about 54½" high, 64" wide.

The space between the burners is ample for comfortable placing of utensils. Watch this when purchasing a stove, for you can be very uncomfortable with a jammed surface.

It is pretty much a matter of what you can get in the way of either of these two specific stoves. They are both so good. The wick type is convenient because the wick is sold all over the world. The wickless is convenient because it is easy to clean and is a bit more rapid in the heating. The kindler is only 10 cents and can be had at all dealers and when you buy the stove you can get a supply.

You must demand:
No odor whatever
Speedy cooking
Steady flame
Cleanliness and easy to clean
Easily replaceable parts
No smut and dirt
Easy flame control
Oil visible in reservoir
Best materials on the market
Perfect combustion, making for the minimum amount of residue carbon.

With the oil range as well as with the gas, electric and coal range there can be bought water heating boilers, ovens, etc.; and with one stove, special broilers and toasters.

There are two very good ovens the market to be used with these st and with other kinds as well, each with its special selling points. is large enough in some size for pound turkey, each small enough the smallest uses (sizes range 21½" x 18½" x 13" to 13" x 1 x 13"). They weigh from about 1 18 pounds. You place the oven the surface burner.

One oven maker claims:
Asbestos lining for insulati
Shelves set for 5 different tudes
Curved top to oven like bal oven to pass off gas and vent air pockets
Shelf support growing out lining
Strap hinges
One motion to handle to oven door
Door closes only if it locks
Special asbestos lining porce enameled heat spreader, angular in shape, to deflect and prevent burning

Another says of itself:
Special heat resisting lining
Mica windows below to w flame
Unbreakable glass and unstre able
Three point locking device door
All glass door.

The oil range is not cheap. Yet a godsend at certain times. We not advocating it for general use wh pipes and wires and coal are at convenient disposal, but we do rec mend it forcibly and sincerely wh you want a simple, efficient cook medium beyond the reach of the po lar sources of heat.

Unless you buy the very best, merely the best, oil cooker you will saddened, and with the best you sign yourself Pollyanna without re vations.

Just about now, a new oil rang being advertised. It is a cross betw the wick and the wickless, because uses an asbestos and brass thread w which is almost immortal, for it be reversed when charred and w both sides are charred it is burnt of the stove and ready to begin its dou life again.

Like the wickless stove the fla touches the vessel with the short dr construction, and like the wick it use wick even though quite different.

The stove is of japanned tin and made in cabinet type and in the or nary style.

Inoffensive Porche

(*Continued from page* 45)

Mogerhanger House was built at a time when the development of the watering place called into being a mode of architectural expression supposedly indicative of a holiday spirit, a mode more light, more airy and playful than the substantial sobriety and reserve which had been hitherto displayed in domestic forms.

This new mode employed bow windows, porches and balconies amongst the items of its diverting "properties." The style soon spread, seized the popular imagination and won prompt acceptance throughout the length and breadth of England. The numerous design books published by John Plaw, William Pain and other industrious purveyors to the architectural taste of the period quickly acquainted the American public with the latest developments in domestic composition and the new fashion was speedily established on the west shores of the Atlantic.

The treatment of the porches Mogerhanger House was typical of best phase of this recent manifestati in domestic designing. It may be se at a glance that the veranda extendi across the south front of the house not in any way an essential part of design; it is not necessary to the co position, in that the general mass wou not be affected by its absence; witho it the elevation would be quite as co rect, legitimate and complete, thou not, to be sure, so interesting. It then—quite apart from its utilitari function—purely a happy embellis ment which serves to enliven a faça that would otherwise be somewhat d in its unrelieved and solid dignity. can also be observed that it does not

(*Continued on page* 116)

The Crowning Glory of Stucco Homes



Residence of Mrs. Solomon Hirsch
171 St. Clair St., Portland, Ore.

THERE is no other finish like Bay State. It stands alone in the dual service it offers to all homes of cement and stucco.

The beauty of Bay State alone would make it the favorite finish. But this master coating does more than make a home distinctive. It makes it waterproof.

For Bay State sinks into every pore and crevice, and seals the walls it covers against dampness. The hardest rain cannot beat through a Bay State coated house.

On new homes, Bay State changes the drab, uneven color of cement or stucco to a pure, rich white or to a beautiful tint. On old homes, Bay State brings back the newness of youth. This finish lasts for years.

Bay State Brick and Cement Coating offers you a choice of white or a complete range of colors. Let us send you samples of your favorite tint. And Booklet No. 2 shows many homes that have been made distinctively beautiful with Bay State.

THE BAY STATER

WADSWORTH, HOWLAND & CO., Inc.
Paint and Varnish Makers
BOSTON, MASS.

New York Office
ARCHITECTS' BUILDING

Philadelphia Office
1524 CHESTNUT STREET

BAY STATE
Brick and Cement Coating

MOTT *Established 1828*



A Luxurious Bath in Limited Space

A built-in bath, always desirable in every home, is especially appropriate where space is limited. The Mott "Eclipso" Enameled Iron Bath combines unusual beauty and finish with moderate cost, and can be obtained to fit corner or recess as shown in the illustration. Its moderate price makes it especially economical for the average home-builder.

Comfort and safety are assured in the Mott combination of Paxton fittings and Leonard Jr. Thermostatic Mixing Valve. "Every bath a shower."

If you are planning a bathroom, send for the new Mott Bathroom Book, which contains a wealth of valuable suggestions. Address Dept. A.

The J. L. MOTT IRON WORKS, *Trenton, N. J.*

NEW YORK, *Fifth Avenue and Seventeenth Street*

Branch Offices and Showrooms

*Boston
*Chicago
*Lincoln, Neb.
*Jacksonville, Fla.
*St. Paul, Minn.
Fargo, N. D.
Sioux Falls, S. D.
*Minneapolis, Minn.
Duluth, Minn.
*Cincinnati, Ohio
*New Orleans
*Des Moines
*Detroit
*Toledo
*Indianapolis
*Dayton, Ohio
*St. Louis
*Kansas City, Mo.
*Havana, Cuba
*Salt Lake City
Newark, N. J.
Pittsburgh
*Washington, D. C.
*Columbus, O.
Houston, Texas
*Portland, Ore.
El Paso, Texas
*Cleveland, Ohio

MOTT COMPANY, Limited
*Montreal, Toronto,
Winnipeg, Canada

MOTT CO. of PENNA.
*Philadelphia

MOTT SOUTHERN CO.
*Atlanta, Ga.
Charlotte, N. C.

MOTT CO. of CALIFORNIA
*San Francisco
Los Angeles

*Showrooms equipped with model bathrooms



Ripolin-finished Palm Court on one of the Holland-American Trans-Atlantic Liners.

Ripolin in the Home

"It's the Famous Ripolin Enamel; I Saw It on the Noordam"

The quality of Ripolin Enamel Paint has won recognition all over Europe and America. It first commanded favor in residences; then in our finest hospitals, hotels and clubs. During the more recent years, however, it has been used wherever a really fine, yet economical enamel result has been desired.

Exteriors and interiors of thousands of homes are today Ripolin-finished. Living rooms, dining rooms, bed rooms, bath rooms, all have been beautifully and durably decorated with Ripolin at less cost per room than is possible with ordinary enamels.

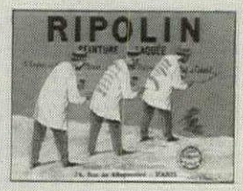
Ripolin dealers are in nearly every locality. If you cannot locate one conveniently, telephone to your local Tel-U-Where Bureau for free booklet and name of nearest dealer, or write to the nearest distributor listed here. Suggestions and specifications also sent on request.

American Importers and Distributors of RIPOLIN

The Glidden Company	Cleveland
Heath & Milligan Mfg. Company	Chicago
Adams and Elting Company	Chicago
Campbell Paint & Varnish Company	St. Louis
Campbell Paint & Varnish Company	Dallas
The A. Wilhelm Company	Reading, Pa.
T. L. Blood & Co.	St. Paul, Minn.
American Paint Works	New Orleans
Twin City Varnish Company	St. Paul, Minn.
The Forest City Paint & Varnish Co.	Cleveland
Nublan Paint & Varnish Company	Chicago
The Glidden Company of Mass.	Boston
The Glidden Company of Texas	Dallas
The Glidden Co. of California	San Francisco
In Canada:	
The Glidden Co., Limited	Toronto, Ontario

Manufacturers of

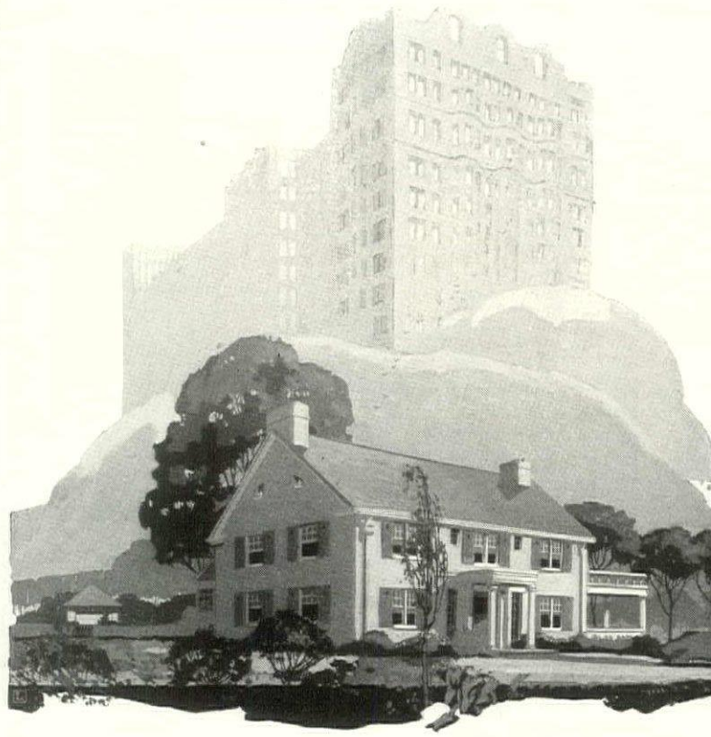
Paints · Varnishes · Stains · Enamels



This design is the identification mark for *genuine Ripolin Enamel.* All Europe knows this famous Ripolin trade mark. The secret process of making Ripolin was discovered in Holland thirty years ago. Since that time Ripolin has become known throughout the civilized world.

RIPOLIN

THE ORIGINAL HOLLAND ENAMEL PAINT



BUILD YOUR HOME ON THE EXPERIENCE OF OTHERS

EVERYTHING for the hug buildings you see is bougl with care, with foresight, ar with exact knowledge that it the best to be had for the mone

The Ambassador Hotel at Atlant City, for instance, designed by Wa ren & Wetmore, architects, is installe throughout with Reading Genuir Wrought Iron Pipe. Hundreds other large buildings use Readin too. Why? Because Reading las longer. It resists corrosion.

If you intend to build a home, yc should follow the example of the bi builder and use Reading Genuir Wrought Iron Pipe. It is your be insurance against corrosion and sho pipe life. These evils mean replac ment. Replacement means added ex pense, such as tearing out walls ar floors, installing new pipe and the repairing all the damage done.

Good architects specify Reading. If yc follow your architect's advice and us Reading, you will be taking the best ar most economical course.

Write for the booklet, "The Ultimat Cost." It is of unusual interest to th home builder.



SEND FOR THIS BOOKLET

It contains instructive information on pipe costs and the best installation methods.

Also literature on Reading Cut Nails which hold and prevent squeaking floors.



"'Reading' on every length"

READING IRON COMPANY

READING, PENNA.

Largest Producers of Wrought Iron Pipe in the Worl

READING

WROUGHT IRON PIPE



HOME PLANS SPELL CONTENTMENT

—and the road to contentment is quickly found through our book, "Home and Happiness." It will bring to your library table twelve homes of good design and a practical guide to perfect building satisfaction through the use of

Arkansas Soft Pine

Your copy will go forward with our compliments, on request, together with finished samples. You will be agreeably surprised in the possibilities of this splendid wood, affording as it does, a beautiful woodwork at a price notably lower than that of rarer woods. Write us now and if particularly interested in white enamel woodwork, advise.

Arkansas Soft Pine is trade marked and obtainable from dealers and planing mills east of the Rockies

Arkansas Soft Pine Bureau
520 Boyle Building
Little Rock, Arkansas





The satisfaction of fine hardware

IT grows on you!

Because hardware is so *intimate*. It is constantly in view. You must touch it at the opening of every door.

Sargent Hardware stands the test of constant association. It continues to please when hardware of less beauty would become tiresome. It lasts as long as the house itself.

The Sargent Book of Designs contains illustrations of beautiful patterns to harmonize with every architectural or decorative effect. You may have a copy on request.

SARGENT & COMPANY
Hardware Manufacturers
31 Water St., New Haven, Conn.



Silence slamming doors with Sargent Door Closers. They are for screen, kitchen, bathroom, back stair and other doors that should be kept closed, surely but silently.

SARGENT
LOCKS AND HARDWARE



Plenty of Water at *Constant* Pressure without a Tank

Just turn the faucet and you have water in abundance direct from well.

Westco

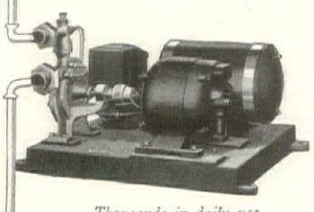
The Tankless Water System *(Automatic)*

gives you every convenience of city water supply.

The WESTCO saves you the expense of a storage tank. Has no belts, valves or gears. Its all-bronze pump has *only one moving part.*

Runs by means of regular electrical current or batteries of a farm lighting plant.

Simplicity of design, superior workmanship and the best of materials insure long life—dependable service—low cost of upkeep.



Thousands in daily use

WESTERN PUMP COMPANY
DAVENPORT, IOWA
Distributors in Principal Cities

Water direct from well to drinking cup

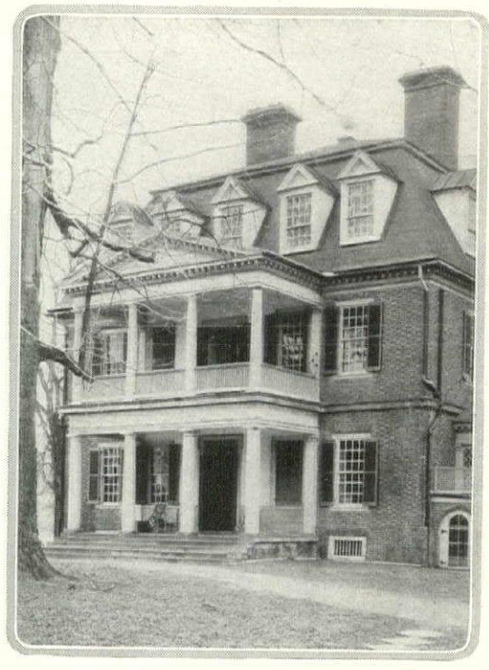
(Tear off here, fill in and mail.)

Western Pump Co., Davenport, Iowa.

I am interested in your Tankless Water System. Send me free of charge Bulletin C-7 "How Things Have Changed".

Name.....City or Town.....

State.....Street or R.F.D.....



The double porches at Shirley in Virginia are indispensable features of the design. They are on both the land and water fronts

Inoffensive Porche

(*Continued from page* 112)

any way obscure or confuse and weaken the dominant lines of the house. It is not necessary but it is relevant. It is architecturally consistent in every important respect.

The conception of this porch may be attributed chiefly to inspiration derived from the "Chinese taste," an episode in 18th Century domestic architecture and interior decoration, whose numerous ramifications exerted a wider influence than most people suspect.

To the same genus belongs the porch of the Pepper house at Chestnut Hill, Philadelphia. Its purpose is to provide an open air place, with sufficiency of sun shelter, for breakfast, tea or even dinner, adjacent to the dining-room; its architectural purpose is to afford an embellishment agreeable with the garden composition and suitable as a motif to balance the wrought iron trellises projecting from the walls above the first floor. Both of these services it performs admirably.

The kernel of the whole matter we have in the two types of veranda just discussed in detail—Barbano and Shirley, on the one hand, and the Mogerhanger and Pepper houses on the other. One is thoroughly structural and an integral part of the composition. T other belongs to the category of orn ment.

Of the two classifications, structu and non-structural or ornamental, t former admits of several variants—t loggia that is wholly included with the mass of the house; the loggia pa tially included and partially projecti beyond the principal mass; and t portico, extending altogether beyo the principal mass but having its co plete unity with that mass, of which constitutes a symmetrical projectio clearly indicated by the architectu treatment.

Whether we choose to trace the in mediate descent of the modern por from either of the two foregoing ca gories or from the small protecti porch of Colonial days, erected as shelter for the door, does not partic larly matter. The vital thing to o serve and remember is that none these forms affords a precedent eith for the fortuitous-looking lean-to a pendages or for the ungraced yawni cavities left in the mass of the structu both of which spoil many a house th might otherwise be good architectural and from the standpoint of liveablene

ON HOUSE & GARDEN'S BOOK SHEL

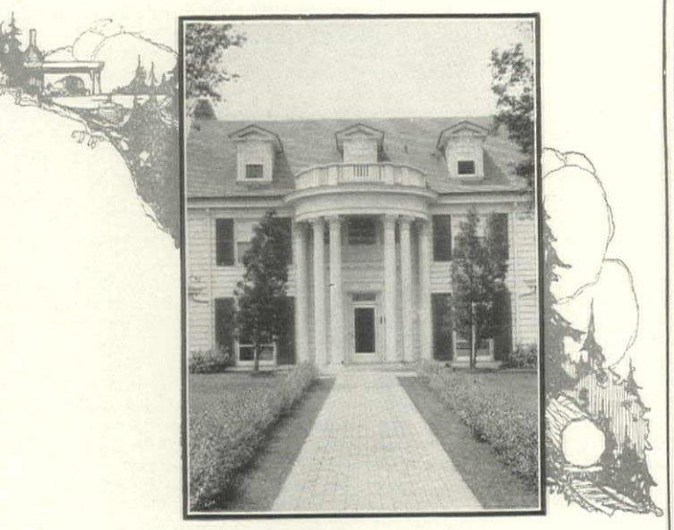
SMALL French Buildings. By Lewis A. Coffin, Jr., Henry M. Polhemus and Addison F. Worthington. Published by Charles Scribner's Sons.

There is probably no more fascinating homeland in the world than the old country of France. The valley of the Loire, the Seine-Inférieure, the Saone-et-Loire, the Oise and Finisterre are all picturesque, with their winding little rivers, beautiful farms and ancient farm buildings.

In preparing this book of small French buildings, the writers went about through the most fertile valleys of the interior of France, the Côte-d'Or, Normandy, Brittany, on cycle, on foot where the cycle was difficult, studying the country and photographing the most typical and enchanting of the old houses. Reproductions of these pictures, which have never before been brought t gether, form the illustrations of th book, a delight and inspiration to a chitects, builders and those who a seeking picturesque detail for home co struction.

In the preface of this book, the wri ers call our attention to the fact th "There is no truer mirror of people an civilization than their informal arch tecture. Thus the buildings of th French farmer, the small land-own and the peasant are as indigenous t their soil as the poplar trees and th poppies in the fields. The Frenchma is and always has been a lover of fir words, of gay colors, of flowered ga dens, of piquancy, and of originality So, too, are his buildings; original, fu of piquant interest, often gay of colo

(*Continued on page* 118)



PORCH DIGNITY
—*and first impressions*

A WELL-PROPORTIONED porch, in good condition, lends dignity to any house. Columns, railings, balusters and trim, well painted and without sign of warping or decay give a favorable first impression.

For the porch and for the whole exterior of the house Redwood is superior. A *natural,* odorless preservative which permeates every fibre of Redwood during the growth of the tree makes it proof against fungus decay and the attacks of insects and worms.

Properly seasoned Redwood does not warp, swell or shrink. It contains no pitch or other highly inflammable substance—reduces the fire hazard on your home.

Our Redwood porch columns, shingles, siding and mouldings are made from carefully selected and seasoned Redwood, in designs to meet every architectural requirement. Our T. P. L. Co. trademark on these products is your assurance of permanent beauty and minimum repair costs.

Redwood is not expensive. It costs little more than other lumber which cannot compare with Redwood for durability and consequent low annual maintenance costs.

Before you build write for our Redwood booklet "Architectural and Building Uses." Architects, builders and engineers should have our "Construction Digest" and our "Engineering Digest" in their files.

Redwood should be specified for

Exterior Construction
Including Colonial siding, clapboards, shingles, door and window frames, gutters, eaves, water tables and mudsills, porch rail, balusters and columns, mouldings and lattice. Pickets and fencing. Pergolas and greenhouses.

Interior Finish
Natural, stained or painted.

Farm and Dairy Uses
Such as Silos, tanks and troughs. Hog feeders and implement sheds. Wood block floors, etc.

THE PACIFIC LUMBER CO. of Illinois
2081 McCormick Bldg, Chicago — 823 No. 40 Rector St. Bldg. New York City
THE PACIFIC LUMBER CO., San Francisco — Los Angeles
Export Company
A. F. THANE & CO., 40 Rector St., New York City
311 California St., San Francisco

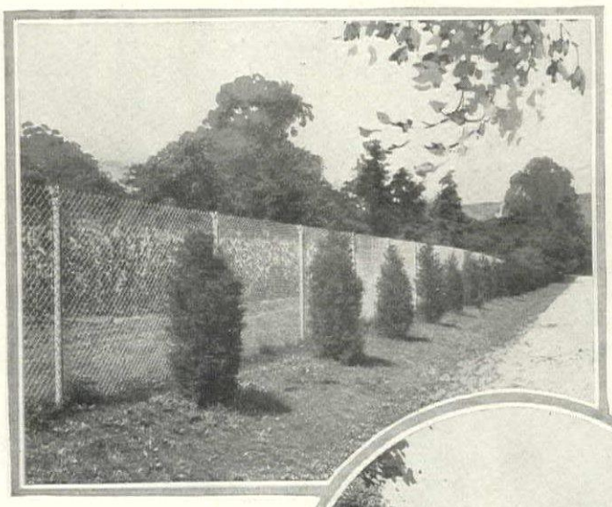
The Pacific Lumber Co.

Redwood

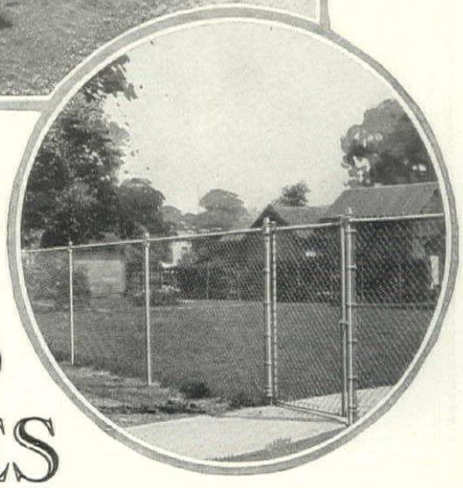
The Largest Manufacturers and Distributors of California Redwood

"The Western Wood for Eastern Homes"

PERMANENT — BECAUSE THEY ARE GALVANIZED



Reproduction of illustration on page 6 of "Good Fences"



GOOD FENCES

are democratic. Whether protecting farm or factory, cottage or mansion, institution or public park, all Anchor Post Fences are equally "good." Each fence is thoroughly

GALVANIZED

against rust. This insures the stalwart basic materials used in posts and mesh against weathering. Moreover, Anchor Posts are permanently

ANCHORED

in the soil by diagonal anchor-stakes driven *across the line of fencing.* Alignment is preserved for decades, in the face of severe shocks and strains.

ANCHOR POST
FENCES—GATES—RAILINGS



A BOOK OF PICTURES

of actual installations, showing representative types of Anchor Post Fences, is **SENT FREE** to those interested in permanently enhancing and protecting their property by GOOD FENCES. Ask for a copy.

This is the book, GOOD FENCES, a beautiful Rotogravure, measuring 8½" x 11".

ANCHOR POST IRON WORKS
HUDSON TERMINAL BUILDING
52 CHURCH STREET NEW YORK, N. Y.

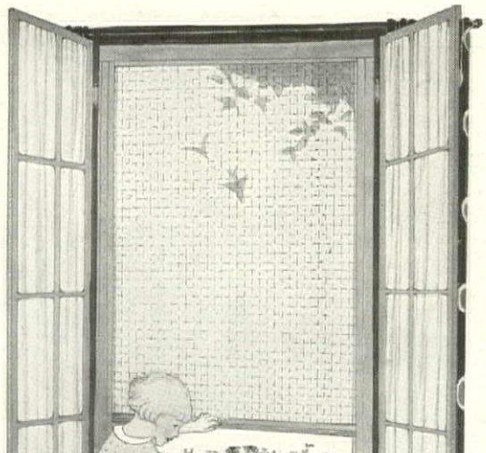
Sales and Erection Offices in

Boston	79 Milk St.	Mineola, L.I., N.Y.	Jericho Turnpike
Chicago	8 So. Dearborn St.	Pittsburgh	2011 Penn Ave.
Cincinnati, O.	141 Fourth St.	Philadelphia	Real Est. Trust Bldg.
Cleveland	Guardian Bldg.	Detroit, Mich.	Penobscot Bldg.
Hartford, Conn.	902 Main St.	Rochester, N.Y.	1604 Main St., E.



FIRM — BECAUSE THEY ARE ANCHORED

2395-G



The Screen That Rolls Up Like A Window Shade

THE Hastings Rolup Screen ends the war between screen and blind and screen and sash. *It rolls up like a window shade.*

It allows the window to be open top and bottom, while properly screened, but is out of the way at the lift of a finger when the screen is no longer needed. *It rolls up like a window shade.*

It does away with the need for storage in winter and for screen removal on window-cleaning day. *It rolls up like a window shade.*

With side grips that travel in narrow metal strips attached to the window frame, it cannot pull out or slip or fall. *It rolls up like a window shade.*

It is adapted to casement windows also, in town or country house or bungalow. *It rolls up like a window shade.*

It is made of anti-corrosive, rust-proof Monel metal that allows more light by reason of its mesh and defies sea air or city fumes. *It rolls up like a window shade.*

"IT ROLLS UP"
HASTINGS
Rolup Screens

For further details and estimates address

ROLUP SCREEN COMPANY
414 EAST 32nd STREET NEW YORK CITY

On House & Garden's Book Sh

(*Continued from page* 116)

and invariably set around with hedge and flowers."

One hundred and eighty-three plates are shown in the illustration of this book, including manors, farms, peasant cottages, which not only show the essentially French small houses, but those that are influenced by the proximity of Normandy and the influence of the Renaissance where it swept up from Italy and Spain. Again there are houses clearly touched by Gothic forms. The variety of the roofs is particularly interesting and characteristic, full of picturesque suggestions for architects and builders. In plate No. 31, a cottage near St. Jacques, Plomb du Cantal, is shown with a stone roof partly covered with thatch. Others show the long sweeping thatch roof, lifted like a hood over deep-set windows in the roof. The edge of this hood makes a series of beautiful arches on the lower part of the roof. The mansard roof is shown in its most primitive stages, also that curious window which so belongs to French architecture, half in the lower story, cutting up into the roof and capped with the same material as the roof. Delightful old worn slate roofs are given, and of course the flowering thatch roof which is everywhere in the peasant country of Europe. The use of stone corbelling about windows on cement walls is seen most effectively in some of these houses.

One of the most picturesque features in the actual constructional side of the houses shows the Normandy influence of the rounded towers, ending in peaked turrets. And also the stone walls that enclose house and gardens with fine old classical gates in stone. In fact, so rich with beautiful detail is this simple architecture of France and so completely and delightfully is it shown in this book of small French buildings that the subject is difficult to review. Every page furnishes practical ideas and picturesque outline, beautifully presented. It is a book for libraries, for students, for home-lovers and for travel-lovers.

ENGLISH HOMES; Period V-Vol. I; Early Georgian 1714-1760, by H. Avary Tipping, M. A., F. S. A. is a very significant book of English period architecture, published at the offices of English Country Life and by Charles Scribner's Sons in New York. It is the most complete presentation of early Georgian architecture and interior decoration that could be assembled. All the finest of the old English palaces are presented with the most elaborate of their stairways, reception rooms and gorgeous detail of furniture, fireplaces, wood-carving, painting and stucco decoration. The work of significant men is fully shown, that of Inigo Jones, of course, also John Webb, Roger Pratt, Hugh May Marsh and the great star of Georgian beauty, Wren.

It was a curious thing in England in this 18th Century, when houses were made more beautifully severe and classic than in almost any period, that the interior decorations grew more and more elaborate, more and more rococo from year to year. With the use of a Greek motif in the decoration of the exterior of these beautiful Georgian houses, practically no further effort at adornment was made. But inside the palaces there were Greek doorways and mantels, Italian paintings, the most elaborate swag for wall panels and fireplaces, hand carving of French and Italian influence. With tapestries from France, furniture elaborated to a degree that was hardly permissible, rugs from all over the world, these palaces for the royalty and the nobility achieved a restless magnificence that could belong only to a period of immense social activity, of tightly imposed class distinction and of a cultivation of art the upper classes only.

As soon as an architect or a pa achieved distinction, he was subsi by the Government or by some rich or some very famous person all his work was reserved for the ing of larger houses and more geous interiors. Many of the archi of this period studied in Italy, retu to England overwhelmed with adr tion for the Italian builders and rations. But alas, to the Italian of elegant elaboration they added desire of this period in England magnificence surpassing any pre epoch.

This was a time also of very sh oil painting, as well as really beau painting of both landscapes and traits. Many rooms were entirely orated with portraits in gorgeous fra with secondary frames in stucco s There is scarcely a square inch of covered surface in some of these English palaces, such as Devon House, York Mansion House, Che field House, the latter with the u iron stairways and imposing cha liers. And yet the drawing roon Chesterfield House is shown with a tain delicate and exquisite fantasy stucco that is more suggestive of A than of the period in which it was d The music room in Chesterfield H is delicate and beautiful in ornan

In many instances, the decoratio the mantel in these houses was exte up to the very ceiling, the space with beautiful tapestries, richly fra and above an ornament which had character of a pediment.

This craze for gorgeous decoratio tended beyond the house out to the dens where bridges were built over tificial lakes, covered over with perg of marble and beautiful Greek tow wherein lovely ladies and sportive tlemen rested, making Fragonard tures of themselves.

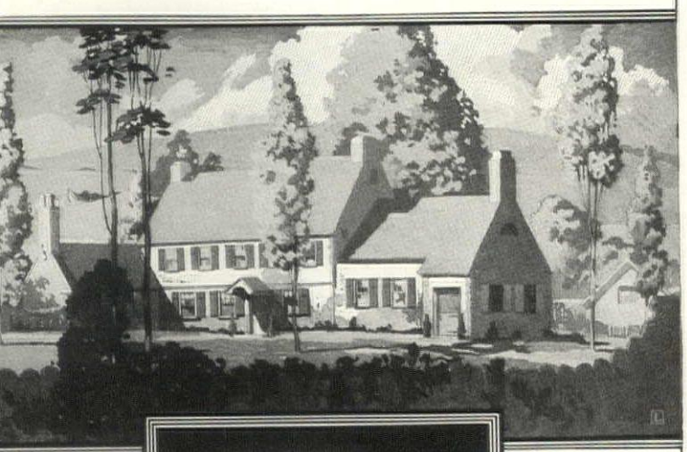
Even the beautiful tapestries used to be hung loosely to cover walls grew under the Hanoverian gime into pictures set in huge frames, and became more or less a wo reproduction of an oil painting.

There was a Chinese influence, in many of these great palaces, not in the furniture but in the rugs in the tapestries on the walls, even the chandeliers. In fact, some of most elaborate of these homes had tire Chinese rooms that were practic museums.

It would be impossible adequately review this book of Georgian archi ture without practically writing anot book. It expresses its rather splen though often Baroque period. Hap toward the end one finds the Greek fluence again predominating, and a m settled kind of beauty coming i vogue. It is a book that should be portant to architects, decorators students of period furniture and deco tion.

WITH "The Apple Tree," by L. Bailey, the Macmillan Compa begins its new Open Country Series. we may judge from this initial volu the lover of books about the countrys will have an opportunity here to ma some desirable additions to the conte of his library.

In the present volume Dr. Bail writes not so much as the horticultu authority and man of science as friend of the friendliest of all tre There is a deal of sensible tree wors in his pages, a human note of apprec tion of the esthetic side of his subje Interwoven with it is abundant practi information about apples and ap growing which gives the book a doul appeal.



TEPECO

e Insignia of the orld's largest aker of All-Clay umbing Fixtures



QUIET

SIWELCLO

Price as shown
$108.35
Or with Mahogany Seat
$99.60
F.O.B. Trenton

TEPECO Water Closets

FOR EVERY PLACE AND PURSE

YOU can keep closet noise out of your house by keeping out the kind of a closet that makes a noise. To permit the installation of a noisy closet in your bathroom is an indifference to an unpleasant and avoidable noise which you are bound to regret later on.

The Si-wel-clo closet incorporates all the good mechanical features a water closet should have and adds that of extraordinarily quiet operation.

The Silent Si-wel-clo is the leader of a group of water closets which The Trenton Potteries Company has developed to meet the needs of every building, from the big hotel to the modest bungalow.

We, of course, consider the Silent Si-wel-clo the most desirable. For those who cannot afford it, we make other good closets. Into our "Welling," "Merit" and "Saxon" we have merged as many of the excellencies of the Silent Closet as possible. Each in its class and at its price is the best the market affords. Each is equipped with a tank of glistening white china, with surface unaffected by stain, acid or soil, and trouble-proof working parts.



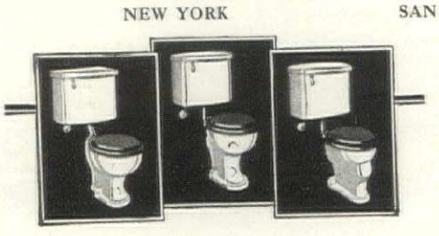
We have priced these four closet outfits fairly, f.o.b. Trenton, and are shipping them completely crated to the plumbing contractor. We know it will pay you to insist upon your plumber furnishing them.

Send for our bathroom plan book, "Bathrooms of Character." It will tell you things you should know before building

THE TRENTON POTTERIES COMPANY

TRENTON, NEW JERSEY, U.S.A.

BOSTON NEW YORK SAN FRANCISCO





BOHN

SYPHON REFRIGERATOR

THE lustrous white porcelain steel lining, the unusually efficient insulation and the Bohn syphon system of air cooling in the

BOHN SYPHON REFRIGERATOR

have given it an indispensable place in the modern kitchen.

The words, "I have a Bohn Syphon Refrigerator," so often heard are always accompanied by that thrill of satisfaction that comes with the pride of ownership.

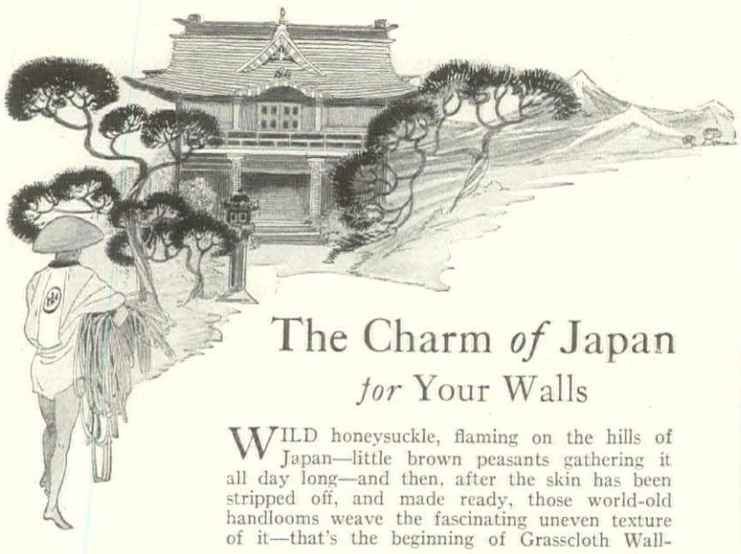
Adopted by the Pullman Company and dining car service of all American Railroads

BOHN REFRIGERATOR CO.

SAINT PAUL, MINNESOTA

New York Exhibit
Strauss Bldg., 5 E. 46th Street

Chicago Exhibit
68 E. Washington Street



The Charm *of* Japan
for Your Walls

WILD honeysuckle, flaming on the hills of Japan—little brown peasants gathering it all day long—and then, after the skin has been stripped off, and made ready, those world-old handlooms weave the fascinating uneven texture of it—that's the beginning of Grasscloth Wall-papers.

Later, when patient little slant-eyed artists have brushed the soft colors into it—tan, blue, brown and every other color—our Grasscloth comes to America to be the quaintest, loveliest Wall-coverings, woven like sunshine, or blue sky through tree boughs.

You've half furnished a room when you've given it such walls, and you've made an exquisite, simple background worthy of the most beautiful furniture that anyone could inherit or buy.

Ask your decorator for the Grasscloth with the OKAME-SAN Head Trade Mark.



If he does not carry it, write to us for samples of 1922 designs.

F. C. DAVIDGE
and Company

La Porte & La Salle Sts.,
SOUTH BEND, IND.
28 Wellington St. West,
TORONTO, CANADA

Ventilator Cooling Porch



By Day a Shady Retreat; by Night a Cool Sleeping Porch

You will never know the full comfort and luxury of your porch until it is enclosed with Vudor Ventilating Porch Shades.

Vudor Shades permit the sun's rays to filter through but shut out heat, making your porch cool, shady, restful all summer long—day and night.

Afternoon card parties and dances take on a new enjoyment. And when the sun goes down—what a delightful, healthful place for the children to sleep.

SELF-HANGING

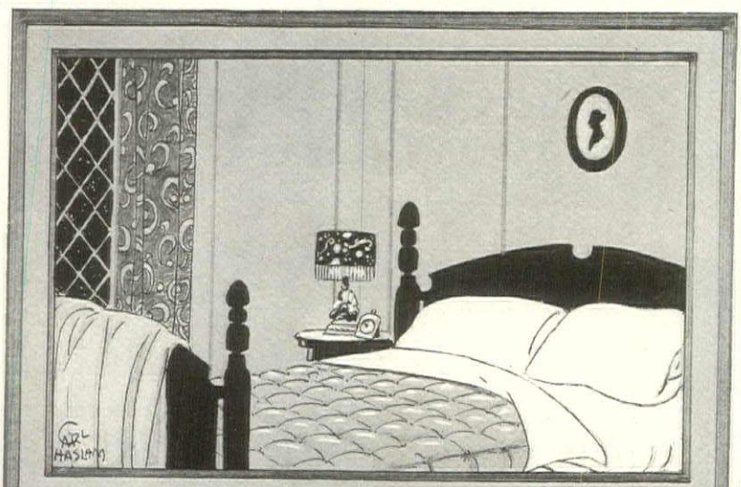
Vudor

VENTILATING
PORCH SHADES

Vudor Shades are made of wood slats beautifully stained in permanent colors—arranged so that you see passers-by but they cannot see you. Ventilator woven in top—exclusive Vudor feature—assures perfect ventilation. There's nothing quite like them for appearance, utility and comfort. Write for color illustrations, prices and name of local dealer.

Hough Shade Corporation

261 Mills Stre
Janesville, Wi



Did You Sleep Well?

ON your hours of rest depend the vigor and freshness with which you meet the problems of a new day. A soft downy mattress will make your sleep restful and relaxing.

Your sheets and quilts are constantly washed. But it's impossible to wash a mattress. Mattress Protectors will keep the mattress fresh and clean. They are made in any size and are quilted with dainty snow-white wadding, encased in heavy white muslin. They remain soft and light and fluffy in spite of washing and continuous use.

We originated this quilting in 1891. Ever since, our product has been improved in quality to its present perfection.

MATTRESS PROTECTOR
EXCELSIOR
TRADE MARK
WASHABLE

See that our little red Trademark is stitched in the corner of every Protector you purchase from your dealer; or write to us.

The EXCELSIOR
15 LAIGHT STREET

QUILTING CO.
NEW YORK CITY



What Will You Do with Garbage in Your New Home—

WHEN you build your home, you will not want an obnoxious garbage can on the rear porch or in the yard. Be sure your architect removes the need for one by including the Kernerator in his plans.

The Kernerator consists of a brick incinerator, built into the base of the chimney when the house is erected, and a hopper door located in the flue on the first floor. It disposes of all household refuse—rags, sweepings, wilted flowers, broken crockery, tin cans, garbage—*without cost*, for no commercial fuel is required.

Ask your architect about the Kernerator and write for an interesting booklet we have just prepared, showing some of the fine homes in which it has been installed.

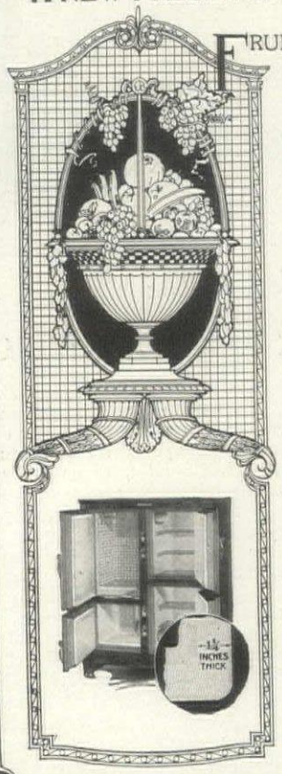
KERNER INCINERATOR CO.,
1025 Chestnut Street Milwaukee, Wis.

KERNERATOR
Built-in-the-Chimney
Reg. U. S. Patent Office.

SECURE · YOUR · COPY · OF · THE BOOK ·

FLAVOR AND FRAGRANCE

A NEW PRESENTATION OF A VITAL SUBJECT



FRUITS hold their color and bouquet when chilled in clear, dry air. Henri Kegler, salad chef extraordinary, says a salad is successful only when it is cold.

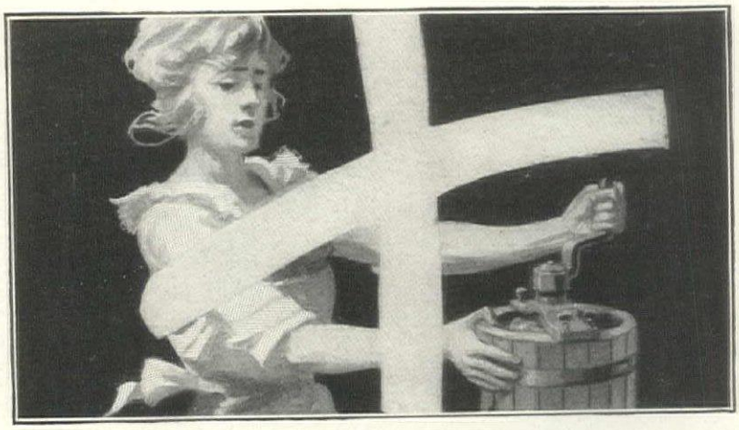
The Jewett Solid Porcelain Refrigerator will keep fruit, fowl or meat, cooked or uncooked, to the point of perfection that pleases the particular palate.

The Jewett is the one refrigerator in which both the food and ice compartments are of solid, seamless, jointless porcelain, an inch and one-quarter thick. It treasures the full flavor of its contents and never contaminates.

Refrigerator linings of porcelain enamel on thin metal backgrounds are not genuine one piece solid porcelain compartments 1¼ inches thick, such as are used in Jewett Refrigerators. Imitations or "near" porcelain linings are easily detected after seeing Jewett real porcelain interiors, smooth and white as china.

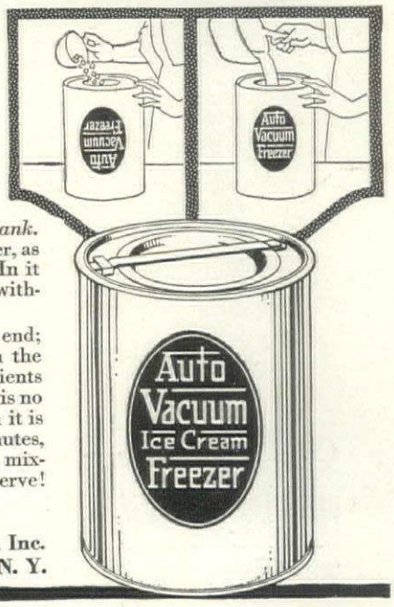
Would you like a complimentary copy of "Flavor and Fragrance" sent to you?

THE JEWETT
REFRIGERATOR COMPANY
Established 1849
123 Chandler St. BUFFALO, N. Y.
Canadian Jewett Refrigerator Co., Ltd.
BRIDGEBURG, ONT.



ICE CREAM
without cranking

Forget the tiresome cranking that went with the *old* freezer



The Auto Vacuum Freezer *has no crank.* It is a neat, white enameled container, as light as a piece of aluminum-ware. In it perfectly smooth ice cream is made, without the usual hard labor.

The ice and salt are put in at one end; (much less ice is needed than with the old-fashioned freezer). The ingredients are poured in the other end (there is no possibility of contamination). Then it is merely a matter of waiting 45 minutes, with an occasional stir of the cream mixture—and the ice cream is ready to serve!

Write for interesting booklet "H"—
Desserts That Make Themselves.

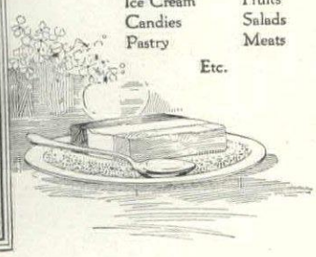
AUTO VACUUM FREEZER CO., Inc.
220 W. 42nd St. New York, N. Y.



American Paper Doilies

An Absolute Requirement for

Ice Cream — Fruits
Candies — Salads
Pastry — Meats
Etc.



The Welcome Guest and the Tempting Dinner

Become Agreeable Companions when properly introduced by AMERICAN Paper Doilies — Either Lace or Linen.

Their Craftmanship Delights the Most Fastidious.

Our special two gross package of four patterns in fancy gift boxes is $1.00
The attached coupon is for your convenience.

AMERICAN LACE PAPER CO., —— MILWAUKEE, WIS.

American Lace Paper Co.
Milwaukee, Wis.

Please send me your special two gross package of four patterns of American Doilies for the enclosed $1.00.

Name _____

Address _____

_____

The White House Line

SECTIONAL UNIT STEEL DRESSERS



The pride of the present day housewife is manifested in the convenience and comeliness of her pantry and kitchen. She no longer countenances old-fashioned, poorly-arranged, unscientifically-constructed wooden kitchen equipment, --any more than she favors oil lamps or wooden wash tubs.

WHITE HOUSE kitchen equipment is entirely of steel,--white enameled! The surface is smooth, gleaming, moisture-proof, and pest-proof;--and more durable than porcelain. No item of good construction is overlooked or forgotten. Such seemingly little things as anti-friction drawers in themselves make WHITE HOUSE equipment indispensable. Each door has a *personal* latch,—independent in its action.

And WHITE HOUSE equipment is arranged in sections,--or units--so that almost any space, however irregular, can be handily filled. The various units may be arranged in tiers,--or side by side--adaptable to the measurements of your kitchen.

WHITE HOUSE equipment in your kitchen constitutes a Silent Servant--immaculate, time-enduring, beautiful.

Our catalog shows your kitchen, with WHITE HOUSE equipment.

JANES & KIRTLAND
133 West 44th St. *Established 1840* New York

Wash and Bathe in Running Water



After All—

the Really *Clean* Bath is the Shower —and this is the Ideal Installation

But then, a shower doesn't only make you *clean*—When you are physically or mentally tired, or both, the impact of scores of sparkling sprays of clean, fresh water, renews jaded nerves and relieves fatigue.

In the morning, your shower takes only a couple of minutes and then you have a two hour start on the day. And at bedtime, a gentle, warm shower often assures quiet, restful sleep.

However, shower pleasure is even greater when you can anticipate it—when you know that your shower will work unfailingly.

Your plumber, dealer or architect will tell you about Speakman Showers—their quality. In the illustration is the Speakman H952½ Mixometer Shower and Deshler Bath Fixture over a built-in tub. The Mixometer controls the temperature of the water instantly. It has been used successfully for many years in residences, hotels, clubs and institutions.

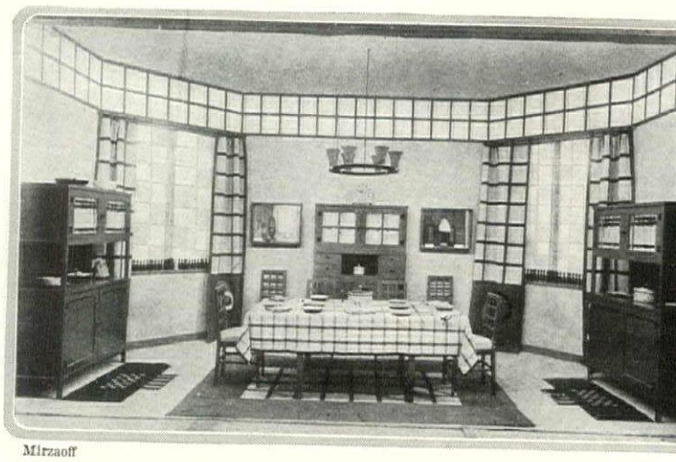
The H952½ shower, like other Speakman Mixometer Showers, has the Speakman Anyforce Head. It allows the bather to control the shower's force with half a turn of the lever. When you talk with your plumber or dealer ask him for a Speakman shower folder—or write us.

SPEAKMAN COMPANY, Wilmington, Del.

SPEAKMAN SHOWERS

In addition to making all types of showers from the portable kind to elaborate shower and needle bath combinations the Speakman Company makes a complete line of brass plumbing fixtures. Included are lavatory fixtures with one nozzle. These allow washing in running water at the temperature you desire.

Your plumber also has booklets on these Speakman Fixtures. Ask him for one.



Mirzaoff

A dining room for the country, designed by Jourdain, was furnished in silver maple in Dutch designs painted red. The square pattern was repeated in valance, table cloth and rug

THE FRENCH SALON *of* DECORATIO

THE general impression of this recent salon of furniture and decoration in Paris was one of amazing eccentricity. The mere question of living comfort did not seem to enter at all into the consideration of the designers and manufacturers. The rooms assembled, and there was a great number of them, would be quite impossible to live in as they wholly lack that quality which makes for a gracious home existence.

There was an immense variety of forms, originality of construction and new combinations of woods and metals but there seemed no progress whatever in the exhibition. It was not better than others or more successful or more inspiring. It was simply different.

There was a widespread use of solid ebony which shared its popularity with silver maple. A furniture maker of knowledge and taste regards the use of both of these woods as a mistake. "Ebony," he says, "in common with many other fine woods, easily spli For this reason the draughtsme former centuries never used it in pieces, but always as a veneer or inlay. Used solidly, as one may or mahogany, it is easily affecte dryness and dampness and chang temperature."

Silver gray maple he finds eq unsatisfactory. "In order to get delicate gray so desired in furnitur is necessary to color wood peroxide of iron. This in time att the fibre and turns the wood yell Both ebony and gray maple were h ly ornamented with gold at this e bition. And this, too, the French ar did not like. There was too much workmanship and senseless orname tion to please the real French draftsm One very interesting handling of w quite new in its method, was a wa finished mahogany.

Probably the most eccentric r

(*Continued on page* 124)

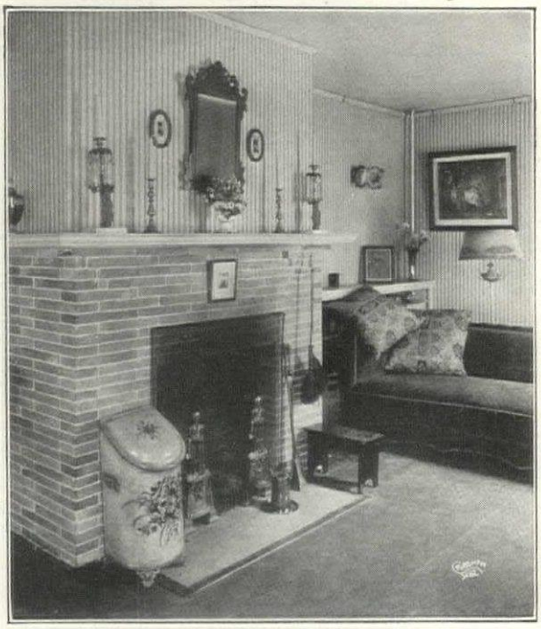


Another dining room, designed by Dufrene, had an elaborately striped wall and furniture, in not too bad a design, of ebony and acacia wood combined



The most eccentric exhibit was the sitting room by Leridon, with monolithic trees covering most of the wall space, a black carpet and tiger rugs

ETHEL A. REEVE, INC.



IN this old country house rearrangement of family pieces, added to where necessary, completed an interesting and even more livable interior. We will gladly suggest and supply articles needed to complete the decorative scheme of any type of home at current retail prices.

Correspondence invited

Ethel A. Reeve, INC.

17 EAST 49th STREET INTERIOR FURNISHING PLAZA 0440 NEW YORK CITY

TODHUNTER

MANTELPIECES



Fireplace Equipment
Hand-Wrought Colonial Hardware

414 MADISON AVE.
Between 48TH & 49TH STR.
NEW YORK CITY

For Your Own Protection
Learn How to Tell Genuine

Linoleum

Look for the woven *Burlap* Back

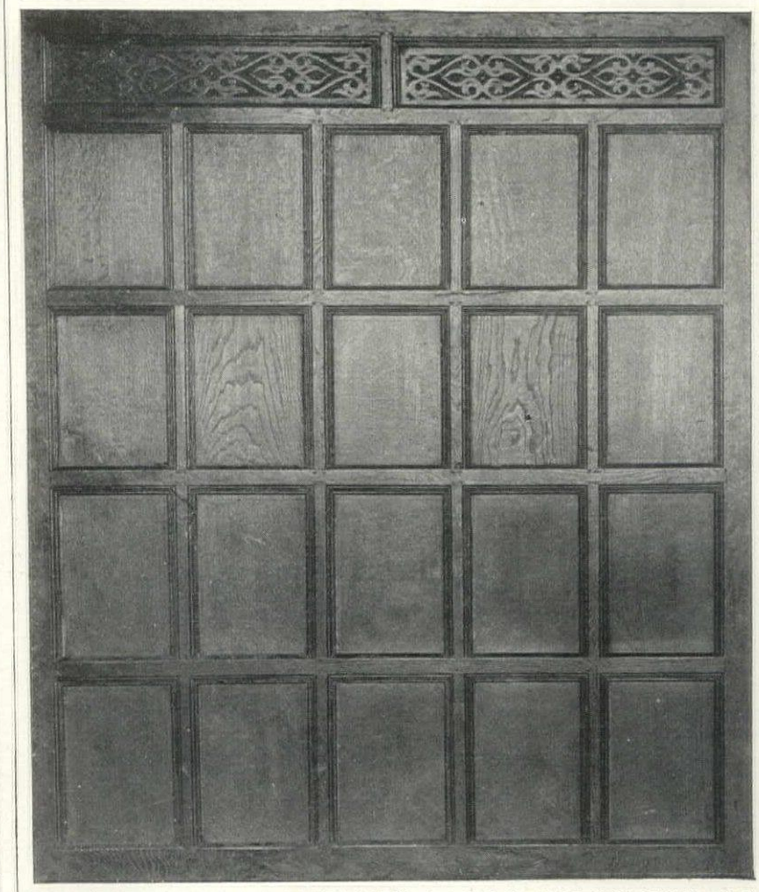
Three Tests: **1.** All genuine linoleum is made of ground cork and oxidized linseed oil, pressed on a strong, flexible BURLAP back. BURLAP gives linoleum its strength and durability, adding many years to its service.

2. Genuine linoleum is flexible and not easy to tear, because of its sturdy BURLAP back.

3. When you buy Printed Linoleum be sure that you get the genuine article. Make sure that the edge is *brown*—not *black*

JUTE INDUSTRIES, LTD.
320 Broadway New York City

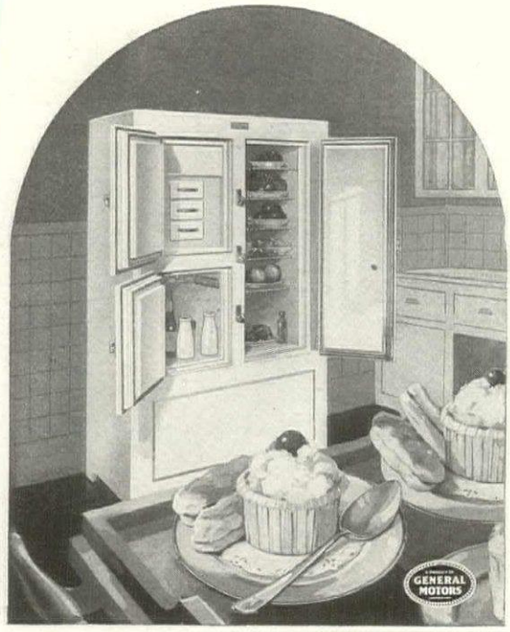
Ask your merchant to show you the woven BURLAP back



WE HAVE AN UNUSUALLY LARGE SELECTION OF

Old Panelled Rooms

FURNITURE, AUTHENTIC ANTIQUES & FINE REPRODUCTIONS
PERIOD INTERIORS
WORKS OF ART
P. JACKSON HIGGS
11 East 54th St., New York



A Wonderful Aid In Entertaining

THINK of having pure, clear ice cubes—made from your favorite drinking water—whenever you want them for table use.

—of having delightful desserts, ices, sherbets and frozen salads prepared and frozen in your own home.

Frigidaire, the electric home refrigerator, provides the means for doing those attractive things that lend a touch of art to entertaining.

But this is only a small part of its usefulness. It maintains a dry, constant, cold temperature without the use of ice, where meats and fruits and vegetables are kept in delightful condition. It prevents the action of dangerous bacteria. It is an aid to health, and yet, with all its convenience, actually costs less to operate than the average cost of ice.

Why Frigidaire Costs so Little to Operate

Frigidaire is built as a complete unit with the refrigerating mechanism and the cabinet engineered and designed for the purpose of creating an ideal temperature and maintaining it at the lowest possible cost for electric current.

No other type of electric refrigerator can give you that degree of dependability and economy of operation that is offered in Frigidaire.

It is now on display in the show rooms of all Delco-Light Distributors, and a descriptive booklet will be sent to you on request.

DELCO-LIGHT COMPANY

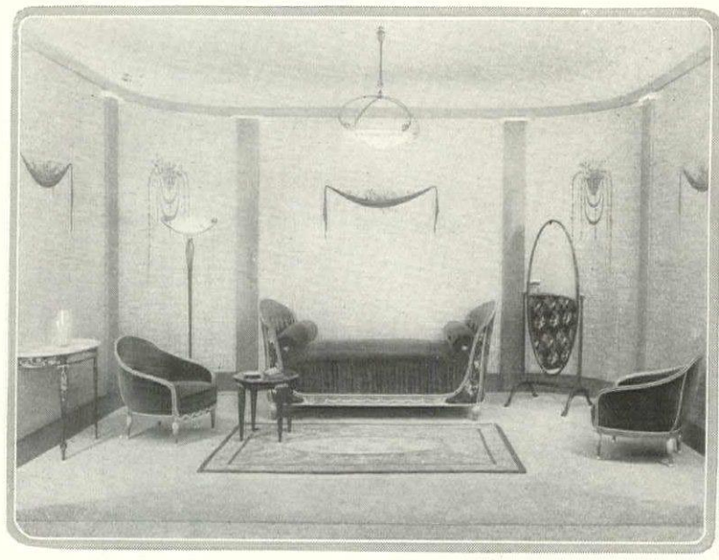
Dept. HG-6, Dayton, O.

Subsidiary of General Motors Corporation

The price of Frigidaire, Model B-9, is $595 *f. o. b. Dayton*

Frigidaire

CLEAN DRY ELECTRICAL REFRIGERATION



The influence of curves was found in a sitting room by Jollot, Dufour and Roussin—a circular room, papered in Japanese grass cloth and with furniture exhibiting almost every possible curve

The French Salon of Decoration

(*Continued from page* 122)

shown was designed by Leridon. Plain colored, flat walls in this room were half hidden under decorations of monolithic trees from which burst little Japanese branches of flat blossoms. The floor was black velvet with tiger skins. The most significant piece of furniture was a chiffonier in amaranth, curious in shape and elaborately ornamented. A Psyche fountain in white marble was a feature of one wall space.

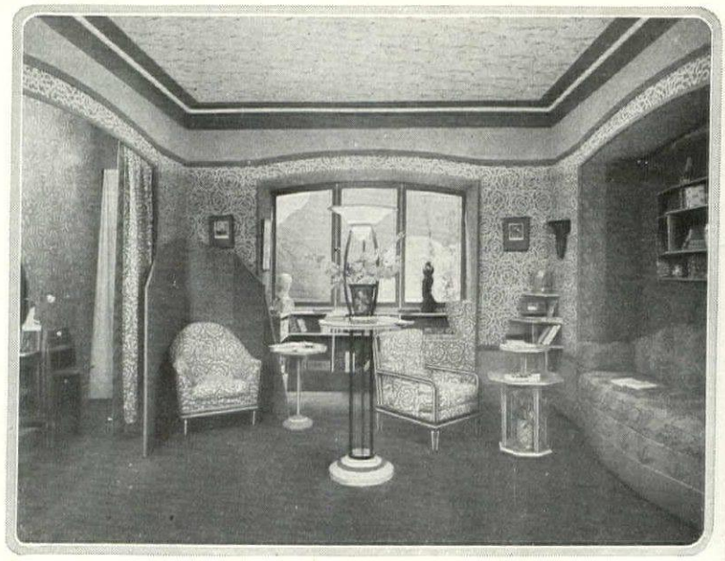
A dining room in a country house was displayed by Francis Jourdain. Silver maple was used in all the woodwork. The furniture was constructed after Dutch models and painted red. A tiresome feature of this room was the effect of squares in rug, tablespread, draperies and frieze. It gave one the sense of a small sunroom all done in a lattice design.

One illustration in this article is called a "Rest Room". The furniture and the couch were contributed by the Mussé de Crillon. An extraordinary feature of this room is the fact that everything in it is figured. And in the construction everything is done in curved lines. The ceiling, the wallpaper, the couch, the floor covering are all designed with different whirling patterns. The woodwork is enamelled, the little stands and the flower jars are all elaborately ornamented and the general effect is about as restful as the Grand Central Station at 6 o'clock in the evening.

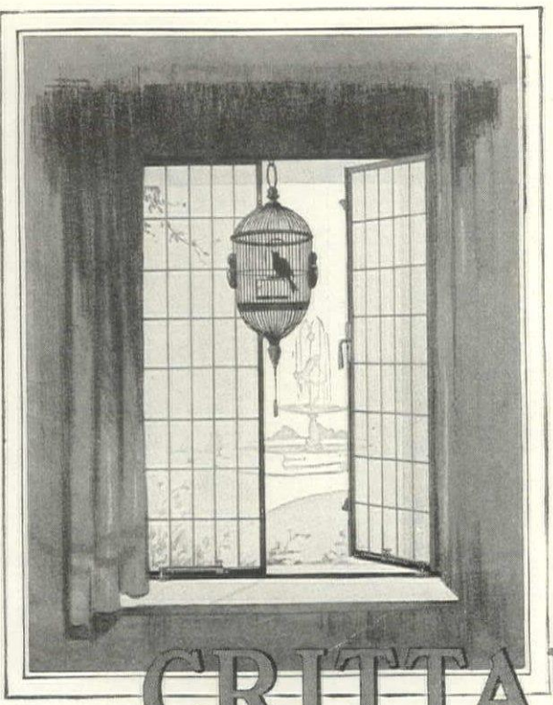
Another room equally filled with curved designs is nevertheless a little simpler and not quite so elaborately ornamented. This room was assembled by N. M. Jollot, Dufour, and F. Roussin. This is a circular room, panelled off by Greek pilasters with the walls covered by a Japanese paper and ornamented with painted draperies holding bouquets of flowers. Electric lights are hidden in white lustre basins combined with wrought iron.

A dining room designed by Maurice Elysse Dufrene was furnished with an unusual combination of ebony and acacia wood. The models were commonplace and rendered unimportant by an elaborately striped wall. A beautiful rug was used on the floor which suggested the old rose hooked rugs of Colonial days.

From these few examples it will be seen that the object of this exhibition was to astonish rather than to please, and that the furniture was intended to exhibit rather than to give beauty and comfort to a home.



A commentary on the spirit of the recent salon is found in this, a room frantic with small, wriggling designs, full of irritating curves, absurd furniture and statuary. It was called "A Rest Room."



CRITTALL PATENTED UNIVERSAL

ENGLISH CASEMENTS and Windows *for* banks, offices, schools, hospitals, *etc.*

CRITTALL

Steel Casements

for artistic residences *and* other substantial buildings

Made in varied designs to meet all conditions

CRITTALL CASEMENT WINDOW CO.

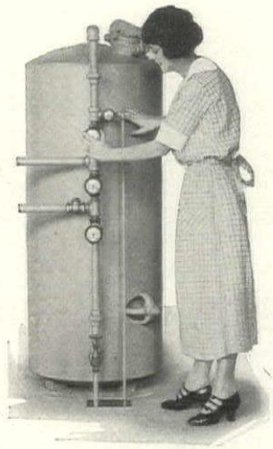
Manufacturers *Detroit* *Michigan*

Enjoy Soft Water Throughout Your House

NO matter how hard, how unsatisfactory your present water supply is, a Permutit Water Softener will give you a steady flow of delightful, soft water from every faucet in your house for about 5 cents per day. It is entirely automatic, with nothing to get out of order. No chemicals are used.

Permutit material possesses the wonderful property of abstracting all hardness from water that is passed through it. From time to time it is regenerated by adding common cooking salt, and that is absolutely all the operating expense there is. You just dump some salt into the softener and let the water run through it into the sewer for a few minutes. No salt is carried into your house lines and the Permutit is made absolutely as fresh as new.

Thousands are in daily use everywhere — hundreds of doctors have Permutit in their homes. Ask for our free booklet, "Soft Water in Every Home."



Takes but a few minutes of your time, once a week

The Permutit Company

440 Fourth Ave., New York



Add more room to your home by equipping your porches with Aerolux Porch Shades. They shield you from hot sun and prying glances, give you cozy comfort, and the soft diffused light that's easy on eyes. Durably built, beautifully finished, easily hung, won't whip in wind, ventilate from top to bottom.

Write for the "Book of Porches" that tells how to get more good from your porch.

THE AEROSHADE COMPANY

2238 Oakland Avenue, Waukesha, Wisconsin

AEROLUX

NO-WHIP REG. U.S. PAT. OFF.

VENTILATING

PORCH SHADES



The Story of

The Darkened Floors

"Yesterday, after using an old floor mop, I noticed how dark my floors were getting. They were oily and gummy-looking. So today I asked Mr. Gardner, my hardware dealer, what he would do. He advised me to try

LIQUID VENEER MOP POLISH

"I washed the mop and applied this new Mop Polish. The results were really surprising. I found that the Mop Polish not only cleaned beautifully and imparted a high, dry lustre but *it actually restored my floors to their original appearance, making them look just like new.*

"Liquid Veneer Mop Polish is just as fine for floors as Liquid Veneer is for furniture."

30c, 60c and $1.25 a bottle **"Goes twice as far"**

At all grocers, hardware, paint, furniture and department stores.

BUFFALO SPECIALTY CO.

Bridgeburg, Ont. Buffalo, N. Y. London, England



DUST WITH LIQUID VENEER PRODUCTS



Crescent DISH WASHER

CLEAN, sterilized dishes in your home, spotlessly clean, free from disease germs—washed, rinsed, dried by the CRESCENT without being touched by human hands.

How Are Your Dishes Washed?

Go into your pantry tonight and see—the color of the dish water—the greasy dish cloth. And are these YOUR dishes? Are these the glasses, forks and spoons that you and your children use?

Hand washed dishes spread disease and infection. The Public Health Service of the United States has proved that by actual test.

Are you subjecting your children to the ills of every other person, yes—of servants, too?

This Booklet Tells

how you can safely wash your loveliest china. Hot soapy water under pressure of an electric pump, instantly removes all grease from the dishes without any possibility of injuring the delicate glaze or decoration.



Cannot Break Dishes

With clean boiling water, every dish is rinsed—sterilized—and dried by its own heat.

No danger of cracking your rich cut glass or light French china.

No trace remains of soap or grease, for every dish is spotlessly clean.

The booklet tells why you need a Crescent Dish Washer in your home as a sanitary protection. There are over 10,000 CRESCENTS in daily use.

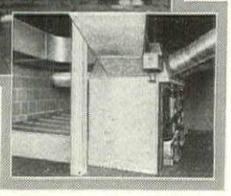
The CRESCENT booklet is yours, free. Write for your copy.

Crescent Washing Machine Co.
126 Second Ave. New Rochelle, N. Y.

crescent
DISH WASHER



Residence of H. S. Snyder, Farmersville, Pa. Duncan Fraser, Architect New York.



Heating the Large Country Residence

Three Kelsey Warm Air Generators are installed in battery form (as illustrated,) all the heat being accumulated in one warm air chamber; the number operated depending on weather conditions. The automatic humidifier supplies the necessary moisture for health and comfort. Temperature regulators automatically control the drafts.

Kelsey Health Heat is ideal for both large and small houses, and cuts the coal bill down to a minimum.

Let us send you Booklet No. 5, which tells you how and why.

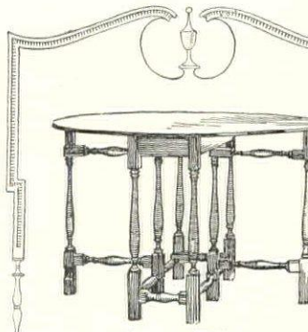
New York Office 565-K Fifth Ave., Cor. 46th St.

THE KELSEY
WARM AIR GENERATOR
237 James Street, Syracuse, N. Y.

Boston (9) Office 405-K P.O. Sq. Bldg.

KELSEY HEALTH HEAT

Trade Mark Registered



Dexter Table

The Charm of Colonial Furnitu

The interior furnished in Leavens Colonial Furniture is pleasing to the most discriminating. Or, for a piece here and there, in nook or corner, you will search far before you will find anything more satisfactory than these true examples of the furniture of early America.

Leavens Furniture

Personal preference may be exercised in the matter of finish. Unfinished pieces will be supplied if desired. Hand decorated work of unusual beauty executed—either on colonial or modern furniture.

Write for Set No. 5 of illustrations and Leavens stains.

WILLIAM LEAVENS & CO. INC.
MANUFACTURERS
32 CANAL STREET,
BOSTON, MASS.

How To Destroy and Prevent Insects Injurious To Plants

HAMMOND'S SLUG-SHOT
1880 1915
USED SINCE 1880
AN INSECTICIDE FOR GARDEN USE
TRADE MARK

To protect your garden from insects in 1922, you should take steps to ward off the attacks of the diseases and pests. **Send for a copy of "Insects & Blights."**

For nearly forty years the recognized standard advisor with thousands of gardens throughout the country. Describes the most widely occurring bugs, blights, and plant diseases, and suggests dependable remedies with which to make the garden a source of greater pleasure and profit.

Write for a copy to-day, mentioning House & Garden.

SOLD BY SEEDSMEN EVERYWHERE

Hammond's Paint & Slug Shot Works
Beacon New York



Heisey's Glassware is, for many reasons, the best of its kind for country estates and summer homes.

The originality of design, flawless quality, beauty of form and unusual durability of Heisey's Glassware recommend it to the favorable consideration of the most fastidious.

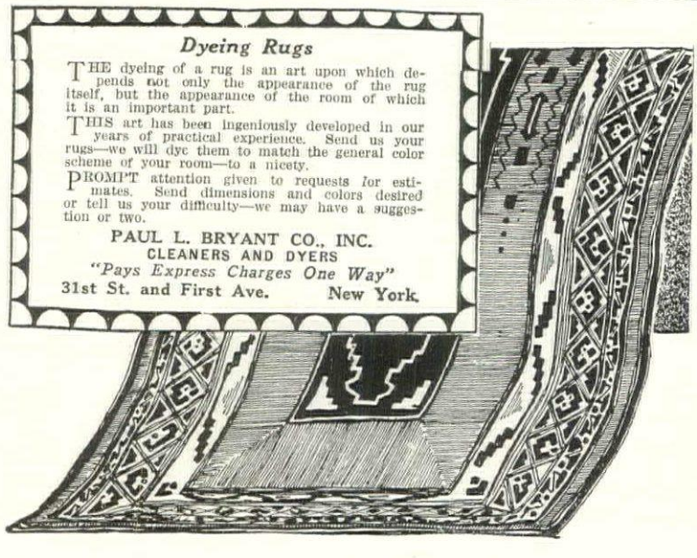
Heisey's Glassware comes in thousands of useful, attractive shapes, identified by this trade-mark

On Every Piece

At the better stores, or write

A. H. HEISEY & CO.
Dept. H-23 Newark, Ohio

HEISEY'S
TRADE MARK
GLASSWARE
FOR THE TABLE



Dyeing Rugs

THE dyeing of a rug is an art upon which depends not only the appearance of the rug itself, but the appearance of the room of which it is an important part.

THIS art has been ingeniously developed in our years of practical experience. Send us your rugs—we will dye them to match the general color scheme of your room—to a nicety.

PROMPT attention given to requests for estimates. Send dimensions and colors desired or tell us your difficulty—we may have a suggestion or two.

PAUL L. BRYANT CO., INC.
CLEANERS AND DYERS
"Pays Express Charges One Way"
31st St. and First Ave. New York.



nstall Automatic Heat Control

EAVE home-heating drudgery out f your new home. Eliminate the bother f operating dampers nd drafts by hand; nsure uniform heating temperature during the day—at night lower uniform temperature. Tell your architect or contractor o equip your heating plant with the "Minneapolis" Heat Regulator. Next winter you will doubly enjoy your new home; you will save fuel and labor.

The "Minneapolis" can be used on any type heating plant using any kind of fuel.

Write for Booklet, "The Convenience of Comfort." Sent Free.

Tell Where

The Minneapolis Heat Regulator Co.
2790 Fourth Ave. So. Minneapolis, Minn.

The "MINNEAPOLIS" HEAT REGULATOR
"The Heart of the Heating Plant"





Take the Work Out of Cooking

Install the wonderful Duplex-Alcazar and see the change it makes in your work.

The Duplex-Alcazar burns gas and coal or wood—together or singly. You can regulate your heat to get it exactly right. Change from fuel to fuel or start the combination in an instant.

There is a type and style to suit your needs. Ask your dealer or write to us for booklet.

For districts where there is no gas, we furnish an Oil Duplex-Alcazar which burns kerosene oil and coal or wood.

ALCAZAR RANGE & HEATER CO.
410 Cleveland Ave. Milwaukee, Wis.

THE DUPLEX ALCAZAR
TWO RANGES IN ONE

Sani-Flush

Reg U.S. Pat. Off.

Cleans Closet Bowls Without Scouring



Sani-Flush has displaced the use of makeshift preparations—and all the unpleasant scrubbing, scouring and dipping methods of cleaning the closet bowl.

Just sprinkle a little of it into the bowl according to directions, and flush. Stains, odors and incrustations vanish. Both bowl and trap become as clean and white as new.

Sani-Flush is sold at grocery, drug, hardware, plumbing and house-furnishing stores. Price, 25c.

THE HYGIENIC PRODUCTS CO.
Canton, Ohio

Canadian Agents
Harold F. Ritchie & Co., Ltd., Toronto

Stained with Cabot's Creosote Stains



Hook & Rogers Architects Charlotte, N. C.

Cabot's Creosote Stains

Save Money and Labor

LABOR costs four times as much as material, in staining or painting; so if you accept a "cheap" stain and it washes off or fades, you not only lose the stain, but four times as much more than you have spent for labor. If you take pains to use Cabot's Stains, the colors will *last*, on shingles, siding or boards. The colors are deep, rich and handsome and they are the only genuine Creosote, wood-preserving stains. They cost 50% less, go farther, and are easier to apply, than paint.

You can get Cabot's Stains all over the country.
Send for stained wood samples and name of nearest agent.

Samuel Cabot, Inc., Mfg. Chemists, 11 Oliver St., Boston, Mass.
24 W. Kinzie St., Chicago : : : 525 Market St., San Francisco



Your Casement Windows to Be Satisfactory Must Be Convenient

MONARCH Control-locks

insure convenience—enable you to open and lock your windows at any angle without removing inside screens or disturbing drapes.

Simple to operate—no gears—no ratchets—no keys—no rattle. Sold by Hardware dealers everywhere.

Our booklet "Casement Windows" will prove interesting and instructive—Write for copy.

MONARCH METAL PRODUCTS COMPANY
4920 Penrose Street St. Louis, Mo.

Get the Full Joy of Gardening

by having the right things to work with. Cheap, shabby hose is a constant temptation to let the garden go thirsty. Good hose, properly cared for, is a joy to use and will last for years. Ask your dealer to show you our three standard brands of 5/8ths inch garden hose sold at good hardware stores everywhere.

5/8ths inch is the right size for garden hose. Practically all house fittings are 1/2 inch in diameter and 5/8ths hose will deliver the water as fast as it can come through the pipes.



Bull Dog

Highest quality garden hose made. 7 plies of strong cotton cloth held together with live rubber. Lengths bought 14 years ago still in use.



Good Luck

Made like BULL DOG, but with 6 plies instead of 7. Lightest to lift and lightest on the purse.



Milo

Moulded hose with a corrugated cover. As near kinkproof as garden hose can be made.

Boston Woven Hose & Rubber Co.
154 Portland Street, Cambridge, Mass.



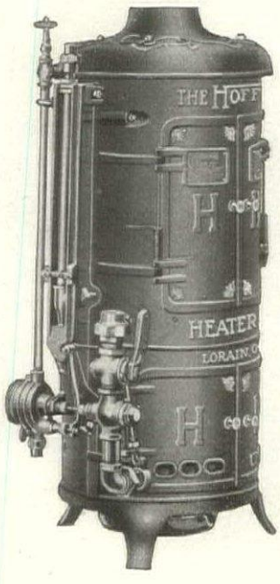
Don't fail to read the articles by Marion Stanley Adams and Robert J. Kirk if you appreciate utmost convenience and comfort in the home. Send coupon for this book.



There is no convenience so important as this— *Instantaneous Hot Water*

"The Hoffman is my greatest home helper," says Mrs. Adams in her article printed for the first time in the book shown above, a free copy of which you may have if you send the coupon.

The Hoffman to which she refers is "the heater with 77 less parts" which *automatically* provides *instantaneous* hot water at *any time*, in *any quantity*. There's nothing to do but turn the faucet and there's not a moment's delay. And too, there's no waste for the gas is instantly shut off when you close the faucet.



This book is probably the year's best contribution to easier and more enjoyable housekeeping. It contains full information about Hoffman Heaters —and you should have a copy. Send the coupon and get one by return mail.

HOFFMAN
Instantaneous Automatic Water Heaters
For All Homes Using Gas

The Hoffman Heater Co.
1674 Oberlin Ave. LORAIN, OHIO
Branches in All Important Centers
The Hoffman Heater Co. is an independent organization, not affiliated with any other heater company, paying no royalties.

"We Start the Fire with Water"

The Hoffman Heater Company,
1674 Oberlin Avenue; Lorain, Ohio
Please send me your new "Three Books in One," including full information about Hoffman Water Heaters.

Name.....

Street .....

City .....

State .....

The Creation of Hybrid Plant

(*Continued from page* 64)

on this subject, and Linnæus in the latter part of the 18th Century through his classification work, had given a definite expression to the word species, it was Gregor Mendel, monk and abbot, who in 1865, after eight years of exhaustive experiments, brought the result of his findings before a local society of natural history. It remained unknown, however, until 1900, when Mendel's findings were simultaneously rediscovered by several well known biologists. Since then it has become known as Mendel's Law.

Mendel's work as set before himself was to gain a clear conception how the different fixed varieties found within a species are related to each other, and for this subject he chose a hardy, prolific annual (the garden pea) which is normally self-fertilizing and unlikely to be cross-fertilized by insects.

For this purpose he chose two strains, one of about 6′ in height, and another of about 2′; from previous observations both strains grew true to their height.

By artificially crossing them with one another he found it made no difference whether the pollen of the tall strain was used on the dwarf, or the pollen of the dwarf on the tall. The plants grown the next year from the seeds resulting from artificial cross-fertilization showed that all were of the tall strain, and Mendel termed tallness "dominant" and dwarfness "recessive."

The following year the plants from the seeds of these tall hybrids showed a mixed result, consisting of talls and dwarfs; the seeds of the dwarfs continued to grow dwarfs, while those of the tall ones grew both talls and dwarfs, in the proportion of three talls to one dwarf.

In cases of colored flowers the same definite rule was observed. Thus, when a tall plant bearing colored flowers was crossed with a dwarf plant bearing white flowers, the hybrid resulting proved to be a tall plant with colored flowers, for colored flowers are "dominant" to white, and tallness is dominant to dwarfness. The seeds from these hybrids grew plants in the proportion of three colored to one white, and in these groups we find several shades of color, from red to a tinged white and pure white.

Having chosen a certain hybrid, either for color, appearance, height or whatever our selection may be, the seeds of each plant after cross-fertilization has taken place must be gathered and sown individually, even if a number of pla were the same in character, color or pearance. It is in the third, and times in the fourth or fifth generati that the selected strain, type or ch acter, will be found true and consta in a number of plants, and the n hybrid variety thus established is rea to be put on the market.

Crossing is accomplished by cro fertilizing two flowers from two d tinct types, or varieties. Ascertain on each flower of the varieties to used the male and female organs a pear; if they do it is necessary emasculate the flower chosen to be t female parent, by eliminating the a thers or pollen sacks before they ripe This can be done by a pair of fi forceps.

Choose a well-formed, almost op bud, on a healthy plant, with but fe flowers, the fewer the better. Havi thus selected the female bearing flow remove the anthers and enclose the flo er in a waxed paper bag. In two four days, depending on the time r quired by the stigma to ripen, depo the pollen on the stigma from the s lected male flower, with the aid of camel's hair brush. The pollen shou not be brushed on, but shaken o Place a waxed paper bag on the flow and remove in ten to fourteen days.

Biological cleanliness must prevai the brush and hands must be clean other pollen dust.

There is another method. After t female flower has been emasculated an protected as previously stated, the po len of the male flower can be shake on the ripe stigma of the female flow at rather close range, instead of utilizin a camel's hair brush. The best resul are obtained if this operation takes pla indoors, where the plants are not di turbed by the elements.

In varieties where the male or fema organs appear on different plants an emasculation is not necessary, th female flower must be protected befor and after cross-fertilization occurs. correct descriptive record of each paren should always be kept for future refer ence.

As the construction of flowers vary and the actual mechanism of hybridiz ing differs somewhat with each variet or species, we must not be carried awa with the idea that it is possible to cros promiscuously any variety or specie we may choose. It is a question of ex perience, experimentation and patience

Consider the Water Lily

(*Continued from page* 57)

and set in the ground. A row of such tubs, by the way, each devoted to one lily, makes a beautiful and extraordinarily interesting border. Any dealer in water lilies, and there are now several in this country, will gladly furnish details as to building cement pools; any contractor in concrete work will be found quite capable of doing the work, or, indeed, the owner may well do it himself.

In making cement pools there are several points to be kept in mind. The area of the water surface should be no less, and preferably greater, than the area of the bottom of the pool. In any other event the expansion of the water upon freezing will probably crack the walls. The inner surface of such a pool should be as smooth as possible, to make it water-tight. It is better, and perhaps absolutely essential in larger pools, that the concrete be reinforced.

For a rectangular tank, 20′ by 10′, the walls should be 6″ wide at the surface of the ground and 8″ thick at their base. The inner surfaces must be at least perpendicular; that is, the walls must not lean inward, but may lean outward. The excavating should allow for a 6″ concrete bottom, and the inner walls of the wooden form should be hung from cross braces so that when the concrete is poured it will be possible to pour walls and bottom at same time, making the pool a jointless monolith and, consequently, water-tight. The first 3″ of the bottom should be laid first, and upon it the strips of wire fencing, which should extend upward in the wooden wall forms to within a few inches of the top. When these strips are wired together and fixed in position the concrete for the rest of the bottom and the walls is poured. The mixture should consist of one part cement, two of sand and three of stone.

(*Continued on page* 130)



Residence of Walter M. Collins, Builder, Bayside, L. I.

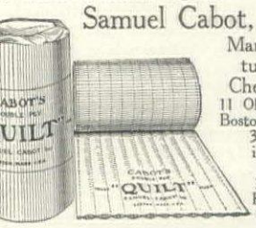
ad what this experienced Builder says out his own housewhich is insulated with

Cabot's "Quilt"

The Quilt is certainly a good investment, as the house is in a very posed position, and after the hard- winter in years, without a frozen pe or any difficulty in heating. I el that the small additional cost er ordinary building paper has ady been saved in coal and com- rt."

(Signed) Walter M. Collins

abot's Quilt will save you "in coal d comfort" as long as your house ands. It is cheaper to *build* warm uses than to heat cold ones and a ld house will waste enough coal in o winters to pay for Quilt to keep warm. Quilt is not a mere felt paper, but a thick, matted cushion rot-proof, vermin-proof, fire-retard- g eel-grass that is about *thirty mes warmer than cheap papers.* or insulating roofs and walls, to ep out heat or cold, and for sound adening in floors and partitions. ou can get Cabot's Quilt all over e country. Send for free sample d name of nearest agent.



Samuel Cabot, Inc.
Manufacturing Chemists
11 Oliver St. Boston, Mass.
342 Madison Ave. N. Y.
24 West Kinzie St. Chicago

Olde Stonesfield Roofs and Flagging



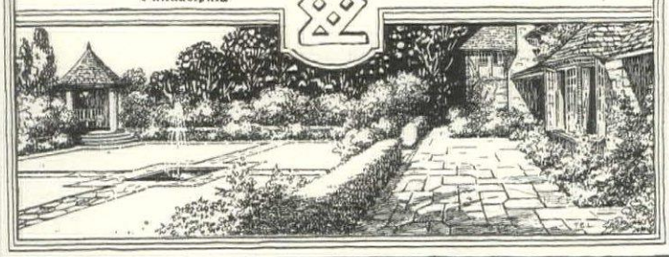
J. A. Farrell Terrace, Norwalk, Conn. — Leroy P. Ward, Architect

Send for booklet No. 27

THE JOHN D. EMACK CO.

HOME OFFICE: 112 So. 16th St. Philadelphia

NEW YORK Office: 45 E. 49th St.





birch interior trim

For Staircases—

of course—it's one of the hardest of hardwoods. And it is ideal in its ability to take and hold high finish enamel.

For Floors—

baseboards — mouldings —window frames—doors —all interior trim, there is nothing that excels and few woods that equal **birch.** *And* **birch** *is reasonably priced.*

For Furniture—

well, if you will look through the best furniture stores you will find many of their finest "sets" made of **birch**—first, because it is durable and second, because it is capable of finishing in such a variety of beautiful effects.

If you are thinking of building, furnishing or remodeling a home, you should have the **birch** book that tells you all about **birch** advantages. We will send it FREE. It awaits your request.

THE BIRCH MANUFACTURERS

219 F.R.A. Building, Oshkosh, Wis.



Before You Build—

Get This FREE Book on

Fenestra Steel Windowalls

Steel Basement Windows

Find out how you can make your basement a bright, pleasant, and healthful place to work.

Learn why these windows admit 40% to 60% more daylight—increase ventilation—provide added fire resistance—can't warp nor stick—keep out rats and mice—save you money on installation—last longer—and cost you no more than old-fashioned wood windows. Send for a copy today—this incurs no obligation on your part—just helps you to plan a more modern and up-to-date home.

Detroit Steel Products Company
2322 East Grand Boulevard, Detroit

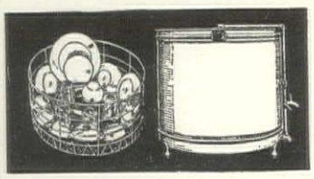
Don't Delay-Write Today!

California Bungalow Books



"Home Kraft" and **"Draughtsman"** each contain Bungalows and Two Stories. **"Plan Kraft"** Two Stories. **"Kozy Homes"** Bungalows. $1.00 each—all four for $3.00. De Luxe Flats $1.00.

DE LUXE BUILDING CO.
521 UNION LEAGUE BLDG. LOS ANGELES, CALIF.



Drumfire Dishwasher

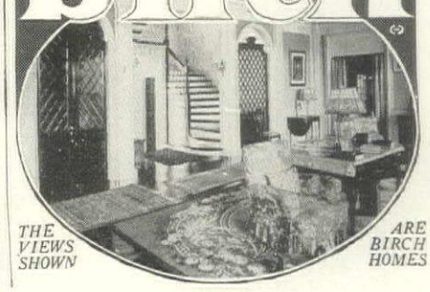
NO POWER! Turn the hot-water faucet—that's all. The ***Drumfire Dishwasher*** "shoots off the grease!" It washes vegetables also. It works simply and swiftly. And how it saves china! It soon earns its cost in non-breakage alone. Price $45. (Partial payments arranged if desired.) Plans for a new home should surely include a place for the ***Drumfire*** permanently installed. Try it out and see for yourself. We let you use it, free, for 10 days in your own kitchen. Write direct to our factory.

Good territory open to high grade women to act as our representatives

The Dietz Manufacturing Co.
Dept. C-5, Cincinnati, Ohio

for Beautiful Woodwork use Beautiful

birch



THE VIEWS SHOWN ARE BIRCH HOMES



Luther Burbank, "the wizard," the story of whose work with plants is as fascinating as a detective story. He found on one of his potato plants a little round ball and—

The Little Round Ball Made Millions

Potato plants used to have seeds like other plants; they grew in little round balls. Gradually under cultivation the seeds disappeared; only once in a long while is a seed-ball found.

Burbank, then a lad of twenty, at work in his garden found one. He planted the seeds, and out of the experiments begun in this simple fashion grew the fine new variety of potato which adds to the wealth of America millions of dollars every year.

Invite Him Into YOUR Garden

THINK of the thrill of wandering through the garden with Burbank; of hearing him explain how he bred the spines out of the cactus and made it produce fine fruit; how he made the blackberry white, and developed the seedless plum; how he doubled the productiveness of the cherry and transformed the quince, and made the strawberry yield all the year round. How he produced a plant that bears tomatoes above and potatoes below, and grew almonds inside of peaches. Can you imagine any more delightful, more valuable reading than these writings of Luther Burbank, in which he tells

How Plants Are Trained to Work For Man

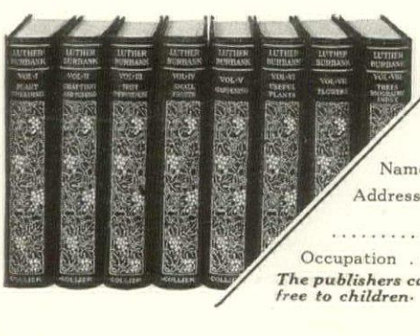
Whether your garden consists of broad acres or only a back yard or a window box, there are facts in these pages that will be worth many times the little cost of the books to you. It is as if Burbank himself were by your side, telling just what to plant and when and where, guiding your every step to success. For these books are a description by Burbank of the results of actual work carried on by him in practical experiments with countless living plants. He demonstrates what can be done; he sets new ideas and novel problems.

Here for the first time is presented in convenient and authoritative form all that the world is eager to know about this unique genius of the plant world—the interesting facts of his long and fruitful life, the secret of his success, his methods and discoveries.

An attractive booklet has been published to tell more about this remarkable library. It is called Half-Hour Experiments with Plants.

It contains a brief biography of Mr. Burbank telling how he rose from a mere beginner to his present eminence; evidence of what others have done working in the manner of Burbank; illustrations from the complete set, in full colors; and constructive Burbank experiments that you may actually put into practice. You will find this booklet well worth sending for. Clip the coupon now — and send for it TO-DAY.

The coupon brings you full information about these books



P. F. COLLIER & SON COMPANY
416 West 13th St., New York, N. Y.

Without obligation, please send me the free booklet about the Burbank books, together with full particulars as to how I may procure them by small monthly payments.

Name .....
Address .....
245-BKC L
.....
Occupation .....

The publishers cannot undertake to send this booklet free to children.

Consider the Water Lily

(*Continued from page 126*)

It should be noticed that no piping has been called for. None, except in really large pools is needed. The tank can be filled with the hose and once filled should stay filled. It is well to have the pool completed as far in advance of planting time as possible, preferably the previous autumn, as it is to be a home for fish as well as for plants, and until certain more or less water soluble chemicals present in new concrete have dissolved out, the pool will not be fit for fish. Fill and empty once or twice, and let the water stand several days each time, before adding the fish.

Hardy and Tender Lilies

Water lilies, which are the principal plants of the water gardener, are of two sorts, the hardy and the tender. Both are perennials, the hardy of the temperate zones, the tender of the tropic or sub-tropic. Unless one has a greenhouse he can not keep tender water lilies the year round, but he can consider them as annuals, and set out new plants each season, just as he might plant sweet pea seeds, and with more certainty, indeed, than in the case of sweet peas, have a magnificent display of flowers until frost.

In color, water lilies offer a wide range. They are to be had in white, pink, red, yellow and blue, and in many combinations of these colors. In size there is an even greater variety, the great *Victoria regia* with its leaves 5′ in diameter marking one extreme, and tiny *Pygmæa* with its 1½″ flowers, the other. Most of the plants commonly called water lilies belong to the genus *Nymphæa,* but one group, the *Nelumbiums,* are quite distinct from these botanically, and are often referred to as lotuses. The introduction of this last name is unfortunate, for while the sacred lotus of the Hindus is *Nelumbium speciosum,* the more famous lotus of the Egyptians is a *Nymphæa.*

Whatever experimenting he eventually does in water lily propagation and seedling raising, the beginner will buy his *Nelumbium* tubers and *Nymphæa* roots from a dealer. They will arrive packed in sphagnum moss and wrapped in waxed paper, and the tub, tank or pool, must have been prepared previously. The roots, which will look like very thick iris rhizomes, should be planted one for each receptacle in boxes or baskets of soil, 2′ to 3′ square and 1′ deep. These boxes are then placed in position on the bottom of the empty pool and enough water added to cover them to a depth of 3″ or 4″. This is to permit the warming of the water by the sun, readily, and the depth should be increased gradually as the plants grow until the pool is filled. Pools, by the way, should always command full sunlight. If tender nymphæas are to be planted the planter must wait until warm weather is assured.

When Winter Comes

When frost comes there are two important things to remember. One of these is to leave the water in the pool. The other is to take the goldfish out of it. While the goldfish have been ornamental all summer, have attracted a great deal of attention, and have won the owner's affection by confidently raising a multitudinous family in the dark fringes of the hanging water hyacinth roots, leaving them to him to take care of through the winter, they are primarily utilitarian. The water garden would breed a plague of mosquitoes at once were it not for the fish. With them the mosquito larvæ come to an untimely end. And when one begins to water garden he learns things he never dreamed fore about goldfish; talks of veil-ta and fringe-tails, and comets and t scope eyes, and finds that in emba ing upon this new enterprise he really embarked upon two. As I w this, spring has not yet come in t north country, but in my hallway aquarium contains telescope eyed, com and beautiful coppery-gold fringe-t fish, and six different aquatic plants vigorous growth, one of which, floating water hyacinth, sends up occasional spike of lilac blossoms.

One other cultural point should made before considering the varieties plants available for the water gard This is the fact that the soil must rich. Three parts of good garden s to one part well rotted cow manure the usual formula. Barnyard manu may be substituted for cow manu but the former is the better. Anoth substitute is bone meal, used at t rate of one quart to the bushel of s The water lilies are heavy feeders a will in a season greatly reduce the pla food content of the box of soil th are planted in. In consequence, it important, every two or three yea to provide new soil for box gro plants, and to fertilize freely. F fertilizing, bone meal may be added the soil at the beginning of the seas or it may be scattered upon the surfa of the water. Whatever is done mu be done with a thought to its effe upon the fish. Their presence is a solutely essential, and no fertilizer whi will injure them can be used.

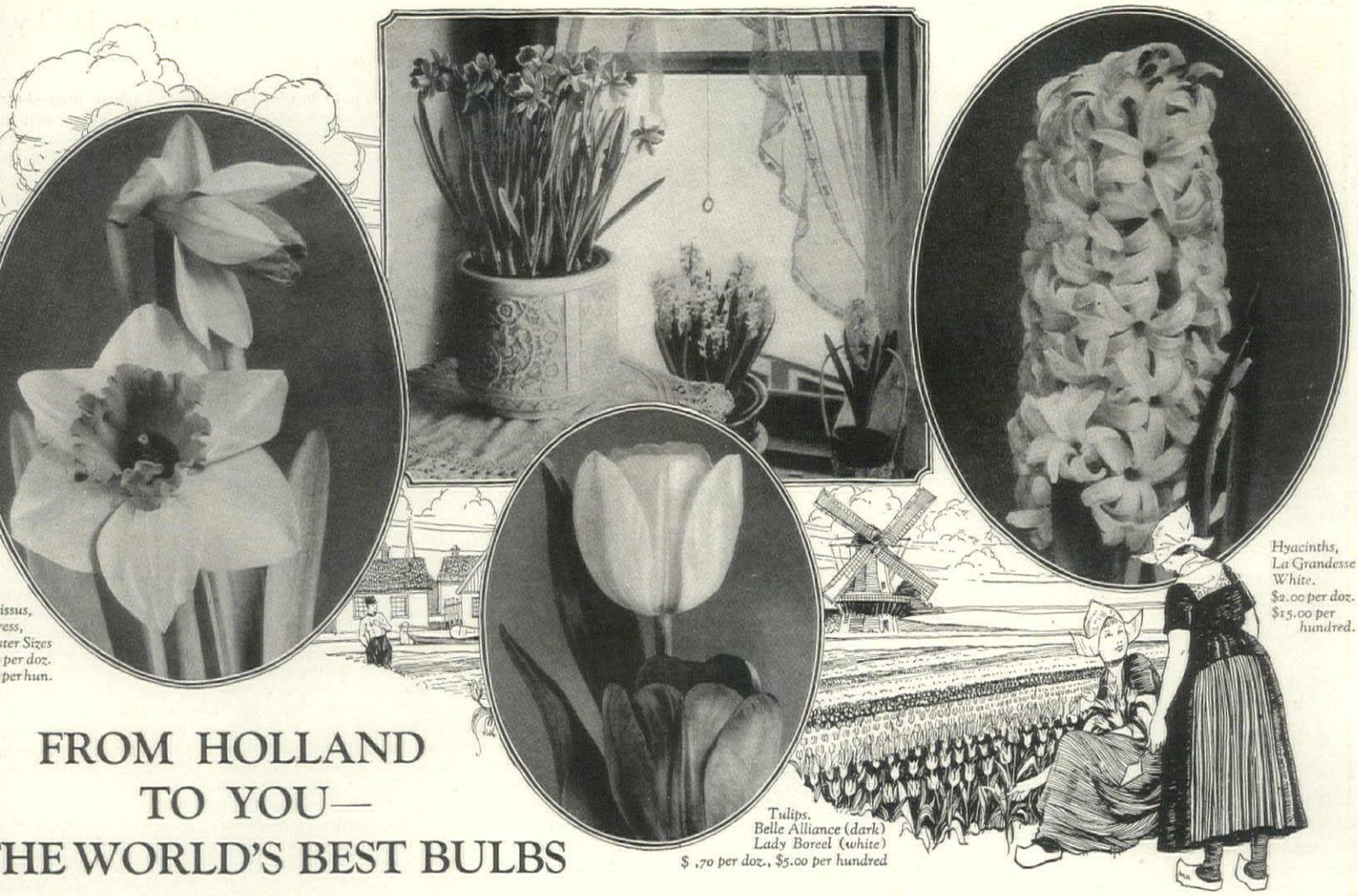
Water Lily Enemies and Friend

Water lilies are generally free fro pests. Two varieties of aphis do som times collect in large numbers on t upper surfaces of the leaves, but the are readily swept off into the wat with the hose, when the goldfish w cooperate heartily. Muskrats fin water lily roots palatable, and the animals sometimes make trouble in e tensive plantings in natural and acce sible ponds.

The pool owner will probably soon or later be alarmed by toads. The find ideal breeding places in the wat garden. Their eggs are minute blac spheres, regularly placed in perfect transparent gelatine tubes, a foot more in length. I found the plants one of my tubs festooned with thes curious tubes one morning, and wa somewhat disturbed. A day or two be fore, an apparently mad, but I suppos really, a merely completely happy toa had perched on the tub edge and sun blowing himself out at the throat a if determined to burst. No poute pigeon ever did such spectacular inflat ing. This toad was absolutely indif ferent to all but the tumultuous flow o his own emotions. I pushed a camer up to within a yard of him and snappe him in full song. Another which have assumed was his spouse clambere out of the tub and disappeared amon the iris. The size of his family whe it arrived a few days later, must hav been very gratifying. It numbered sev eral hundred. Many of these survive to depart for other parts of the garde as tiny but, apparently, completely de veloped toads. As the Department o Agriculture has recently estimated toad to be worth $19.44, I was almos as happy as their absurd parent.

The water lily captures the novice by its dramatic, not to say spectacular pro ceedings at blossoming time. Unless one goes out on still days when the water is motionless, and peers down into its darkness, the gardener has no advance notice, as with other plants that the lily has decided to bring forth

(*Continued on page 132*)



issus,
ress,
ster Sizes
per doz.
per hun.

Tulips.
Belle Alliance (dark)
Lady Boreel (white)
$ .70 per doz., $5.00 per hundred

Hyacinths,
La Grandesse
White.
$2.00 per doz.
$15.00 per
hundred.

FROM HOLLAND TO YOU— THE WORLD'S BEST BULBS

e world's leading producer of high grade bulbs is the picturesque country of lland. Every year from this toyland of painted roofs, wandering dikes, and -blue tiles we import bulbs of unequalled quality and of many varieties, nging color and fragrance to flower-lovers all over America.

Picked By Expert Horticulturists

ere are thousands of growers of bulbs in Holland, but the best flowers ne from bulbs perfected by specialists who have spent their lives rking with certain varieties. In fact, the perfection of some of the Hol- d bulbs is actually the work of several generations. Because of our g experience and many visits with the best Holland horticulturists are able to obtain for you their finest products at a reasonable cost.

Flowers Are Gay and Sympathetic Companions

you grow flowers yourself you not only have the enjoyment of watch- them through all the interesting stages of their development, but u will also enjoy their beauty the year round and at a fraction of the ce you would have to pay at your florist's.



Bulbs Mean Flowers in Your Home or Garden

A glance at our price list will show that it is far cheaper to grow your own flowers than to buy them already potted. For a few cents each you can grow hyacinths, tulips, and narcissi which would cost $1.00 a plant or more in a retail shop. Grown in the home they will brighten your rooms from Christmas to Easter.

The bulbs require very little care. Simply plant them in soil from your garden, or use soil from a florist's shop if you live in the city. Keep them in a cool, dark place and water them occasionally until they are well rooted. Then bring them out to the light at intervals of ten days so that you may have a succession of flowers. When the buds are ready to open, you may transplant the bulbs to jardinieres, fern dishes, or bowls if you wish.

Why You Must Order Quickly

We import bulbs to order only and must have word **not later than July 1st** from old or new customers who want part of this year's shipment. By ordering at once you get a special discount on a quality of bulbs not usually to be obtained in the United States at any price.

A FEW SPECIAL PRICES

If Ordered Before July 1st

		Doz.	Hund.
Exhibition Hyacinths			
La Grandesse	Pure White	$2.00	$15.00
Grande Blanche	Blush White	2.00	15.00
La Victoire	Brilliant Red	2.00	15.00
Rosea Maxima	Delicate Blush	2.00	15.00
Enchantress	Light Blue	2.00	15.00
City of Haarlem	Best Yellow	2.00	15.00
Second sized Hyacinths in all best varieties		1.50	11.00
Miniature Hyacinths in separate colors		.70	4.75
Tulips			
Mon Tresor	Yellow	.85	6.00
Belle Alliance	Scarlet	.70	5.00
Lady Boreel	Pure White	.70	5.00
Keiserkroon	Red & Yellow	.65	4.50
Rose Grisdelin	Beautiful Pink	.65	4.50
Narcissi or Daffodils			
Paper White	Monster Sizes	.75	5.00
GoldenSpur	Select Rich Yellow	.75	5.50
Emperor (Monster)	Yellow	1.00	7.75
Empress (Monster)	White & Yellow	1.00	7.75
Von Sion (Monster)	Double Yellow	1.00	7.00
Poeticus Ornatus	White	.55	3.50
Sulphur Phoenix	Yellow & White	.80	5.50

Booklet lists many other varieties

We have a large list of varieties. If you wish to experience the pleasure of seeing these exquisite flowers blooming in your home or garden next season, we urge you to write at once. Delivery will be made by the end of September or early in October.

Send At Once For Beautiful Free Booklet

Whether or not you have ever grown flowers you will be fascinated with our booklet, attractively illustrated in color, showing a thousand varieties of bulbs and giving complete instructions for growing them successfully in either your house or garden.

Cut Out and Mail the Coupon Today

or send us a line and we shall be pleased to send you, *free of charge*, this truly unusual booklet. Or better still, order now from the accompanying list and we shall send the booklet at once and fill your order as soon as possible after the bulbs arrive from Holland.

Our reputation as one of the oldest and most reliable seed, shrub, and plant houses in America is a guarantee of fairness and satisfaction. Enjoy the fragrance of these really remarkable flowers. Make your home and your neighborhood more beautiful.

Order your bulbs today. They need not be paid for until after delivery.

ELLIOTT NURSERY CO.

513 Magee Bldg. Established 35 years Pittsburgh, Pa.

Our bulb business is one of the largest in the world

Read What These People Say:

Admiration of the town! "I want to tell you how magnificent my daffodils are. They are the admiration of the town, and have given us untold pleasure. Numbers of my friends have asked me to order for them. **Each daffodil is the size of a teacup.** Many bulbs have four flowers, and not one has failed to produce two." —G. D. S., Uniontown, Ala.

Beyond Expectations! "I must tell you what excellent results I have had with the bulbs I ordered from you. By Easter, all the hyacinths and tulips showed large, healthy buds, which have matured far beyond all expectation. The quality of bulbs offered by you, even in cheaper mixtures, far surpasses that often sold at much higher prices."—R. C. A., Kansas City, Mo.

Nothing short of wonderful! "I have in my front window, as the admiration of all the passersby, the finest group of tulips ever seen in this city. With their gorgeous colors odd shapes and exquisite shades of color, they are nothing short of wonderful." — J. A. S., Portland, Me.

MAIL THIS COUPON TODAY

Elliott Nursery Co.,
513 Magee Bldg., Pittsburgh, Pa.

Kindly send me Free Booklet about Imported Dutch Bulbs with full directions how to grow them in house and garden.

Name .....

St. and No. or R. D. .....

City ..... State .....



BIRD BATHS
FOUNTAINS
SUN DIALS
VASES
JARS
GAZING GLOBES
BENCHES
FLOWER POTS
BOXES, ETC.

GALLOWAY POTTERY

Gives the Essential Touch to a Garden

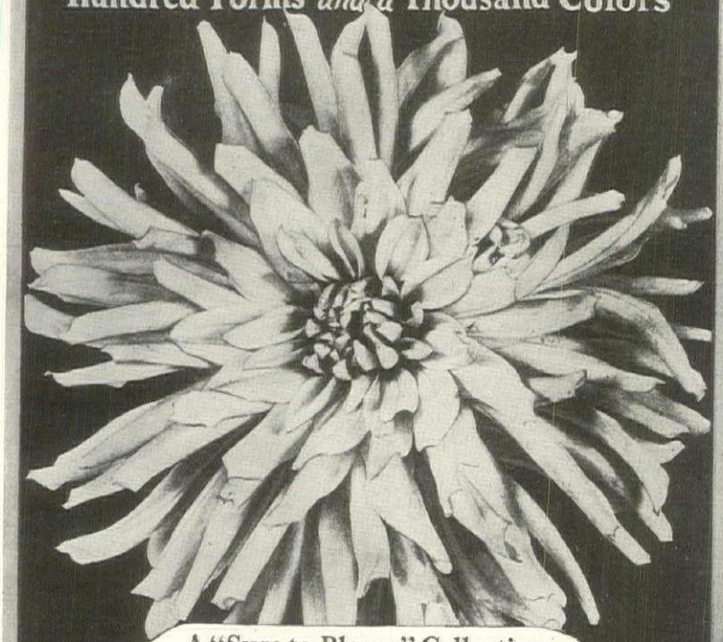
A Bird Bath makes a delightful spot of interest, a Sun Dial adds quaintness while Jars and Vases form charming contrasts against the colorful backgrounds.

Many attractive designs are executed in our light stony gray, high fired, frost proof TERRA COTTA. Red, buff and other colors will be made.

Our catalogue illustrating 300 numbers will be sent upon receipt of 20c in stamps.

Galloway Terra Cotta Company 3218 Walnut Street
Established 1810 Philadelphia

Alexander's Dahlias
Your choice of a
"Hundred Forms *and a* Thousand Colors"



A "Sure to Bloom" Collection
(Tubers—prepaid) For $1.00
Frank A. Walker, lavender-pink Decorative
Robert Broomfield, pure white Show
Libella, purple Cactus
Rose-pink Century, pink Single
Vivian, white and rose Show
My Catalog is Free—Please Ask for It



J. K. ALEXANDER
The Dahlia King
425-435 Central St., East Bridgewater, Mass.

Consider the Water Lily

(*Continued from page* 130)

a flower. His first intimation comes when some morning in early summer he discovers, among the floating leaves, that a great oval bud has arisen. That day the bud remains closed. The next morning, sometime in the forenoon, it slowly opens and reveals usually a flower of surpassing beauty, brilliant and rich in color, large in size and delicate in texture. About four o'clock that afternoon it closes completely. Each day this opening and closing is repeated at the same hours, until finally the bud sinks below the surface and is seen no more. The hours vary with the different varieties, as does the number of days the blossom opens. Some varieties among the tender nymphæas are nocturnal in their blossoming, though in many of these the flowers remain open until as late as one o'clock the following afternoon.

In his selection of varieties the gardener is governed by the plant's habit of growth, the color of the flower, and the cost. Many water lilies, very desirable in large ponds, are entirely too rampant in their growth for tubs or even for pools. There are, however, enough varieties for all circumstances and the catalogs are growing yearly more specific in this respect. The grower must also bear in mind that the tender nymphæas include all the blue water lilies and all the night blooming varieties. The cost may be ascertained by consulting catalogs. Of those I am about to list here, the most expensive cost five dollars last season, the least expensive, 75 cents, and the majority $1.50.

Assuming the gardener to have a natural pond at his disposal, plants from the following list will give satisfaction:

WHITE

Gladstoniana, hardy. One of the best whites, but must have plenty of room.

***Marliacea albida,* hardy. Though not so large as the preceding, this flower is one of the most brilliant of the whites.

RED

**Frank Trelease,* tender and night blooming. Crimson flowers, 8″ or more in diameter.

**Rubra rosea,* tender and night blooming. Rosy carmine, same size as preceding.

**James Brydon,* hardy. Rosy crimson, 4″ to 5″ in diameter.

YELLOW

***Marliacea chromatella,* hardy. Bright canary, 4″ to 6″.

Odorata sulphurea, hardy. Same size as preceding, but fragrant.

PINK

Eugenia de Land, hardy. Deep rose pink. Large flowers with long, slender petals.

Odorata W. B. Shaw, hardy. Rich rose pink, free flowering and fragrant.

BLUE

**Pennsylvania,* tender. A real blue. Flowers often 1′ in diameter.

**William Stone,* tender. Purple. 5″ to 7″.

***Zanzibariensis,* tender. Deep purple. 6″ to 8″, and strongly fragrant. A magnificent African variety.

The plants marked with one asterisk will do well in artificial pools, and those marked with two, even in tubs. In tubs, however, none of these is at its best, and the Zanzibariensis will produce but tiny flowers. The Marliacea varieties mentioned are better, and can be counted upon for 4″ and 5″, handsome blossoms. Others suited for small tanks and tubs, are:

Laydekeri purpurea, hardy. Rosy crimson with reddish orange stan

Laydekeri lilacea, hardy. Rosy and fragrant.

Marliacea carnea, hardy. Palest pink.

Marliacea rosea, hardy. Deep pink.

Arethusa, hardy. Crimson pink

There are, finally, two water lili tiny that they are at their best in and will even thrive in large aqu These are *Nymphæa pygmæa,* w and *N. P. Helvola,* yellow.

One other plant should be spe mentioned. This is *Nelumbium iosum,* already referred to. This is a true water lily, but a magnif garden aquatic. Its flowers, some 1′ in diameter, with brilliant y centers, are pink, and both flowers leaves are held on stout stems se feet above the water. The roots so widespreading that the plant is able only for natural ponds, and only in such latitudes as make it tain that the roots will never fre

In the tub water garden there is for but one water lily to the tub, even there it is well to provide tubs for subsidiary plants; plant provide backgrounds and furnish ings. The tendency of the water ga is to flatness, and plants along sho in the water, which will break the izontal line, often have value. A to be borne in mind is that if the is natural, semi-aquatics, or moi loving plants may be used for marg purposes; if, on the contrary, the is artificial, it must and will be wa tight throughout, and it can not supply moisture for plants along border. In any event iris is an border plant. Two varieties, the low *pseudacorus* and the native *versicolor,* will stand having their zomes constantly submerged. Japa iris, with its magnificent flowers, th in damp soil, and for dry soil, an the great pogoniris, or bearded group will serve, as well as the Spanish and English bulbous irises. hibiscus, which will grow almost equ well with moisture or without it, ma because of its enormous blossoms, showiest of all backgrounds. Tall pl worth mentioning that will grow in water itself are the cyprus or umb palm, *Zizania aquatica,* a showy g often reaching a height of 10′, and common cat-tail.

Of surface aquatics, the w hyacinth with its spikes of lilac b soms is invaluable, for its roots s port fish eggs and later furnish s ter for the young fish themsel whose parents and whose pare friends are emphatically cannibali The water poppy is also worth gr ing. Its delicate yellow, poppy- blossoms are produced so freely the fact that each lasts but a da overlooked. Both poppy and hyaci are rapid growers, and will have to thinned from time to time.

There are several books on wa lilies and water gardening now ea available. The greatest of these is monograph by Henry S. Conard, the genius Nymphæa, published un the title, "The Waterlilies," by Carnegie Institution. This has b distributed by its publishers to braries all over the country. Anot is "The Book of Water Gardening," Peter Bisset, (De La Mare Publish Co., N. Y. City), and still another "Water Lilies," by Henry S. Con and Henri Hus, published in "Garden Library," by Doubleday, P & Co. An excellent smaller book "Making a Water Garden," by Willi Tricker, published by Robert McBr & Co. "Goldfish Varieties," by W. Innes, will surely interest the wa garden owner.

NEW ALLWOODII Perpetual Flowering Hardy Pinks



HARDY GARDEN PINKS

A SPLENDID new strain of perpetual flowering, deliciously clove scented, Hardy Pinks. They are perfectly hardy and flower continuously from early June until late in the autumn. The flowers are much more substantial and larger than in the old type of Hardy Pink and are borne on long stems suitable for cutting. The varieties offered below are beautifully illustrated in colors in Dreer's Garden Book for 1922.

Harold—A splendid large double pure white, of very symmetrical form and great substance.
Jean—Pure white with deep violet-crimson center. A distinct and handsome flower.
Mary—Pale rose-pink with light maroon center.
Robert—A delicate shade of old rose with light maroon center. Very free.
Good thrifty young plants of the above, 35 cts. each; $3.50 per dozen; $25.00 per 100. We will supply one each of the four varieties for $1.25.

Dreer's Hardy Perennial Plants

The old fashioned Hardy Garden Flowers which are now so popular on account of their varied changes throughout the entire season. We offer a large assortment and have prepared a special leaflet, with plans and list of varieties, for positions either in sun or shade. A copy of this leaflet will be mailed free to all applicants.

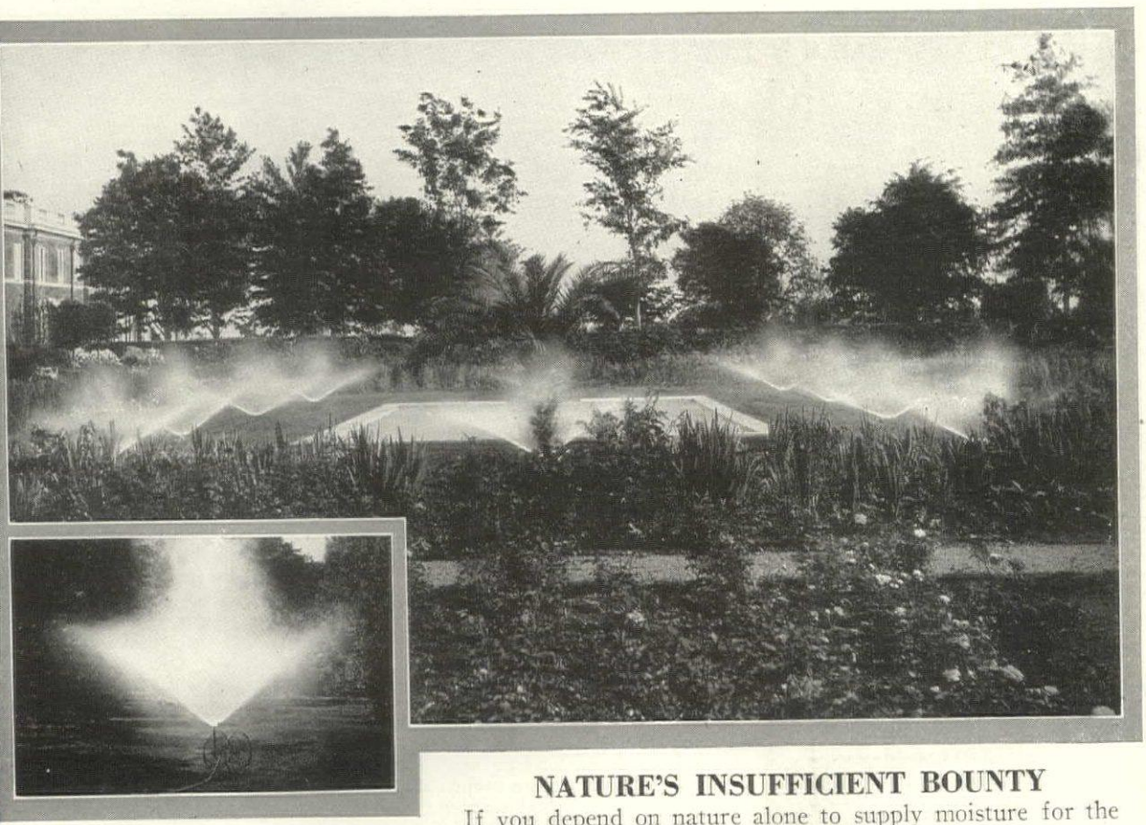
Dreer's Roses for the Garden

Extra heavy two-year-old plants, specially prepared for the amateur, for out-door planting and immediate results. All worth-while new and standard varieties are offered.

Dreer's Garden Book for 1922

Contains 224 pages, eight color plates and numerous photo-engravings. It offers the best Vegetable and Flower Seeds, Lawn Grass and Agricultural Seeds, Garden Requisites; Plants of all kinds, including Roses, Dahlias, Cannas, Hardy Perennials, etc. A copy will be mailed free to all applicants who mention this publication. WRITE TODAY.

HENRY A. DREER, 714-716 Chestnut Street, Philadelphia, Pa.



Economy, simplicity and efficiency are combined in Cornell Overhead and Underground Irrigation Systems, with patented, adjustable "Rain Cloud" Nozzles. Installed any time for any area, without injury to lawn or garden.

Cornell furnishes "rain" when, where and how you want it.

For further particulars write today for free illustrated booklet

NATURE'S INSUFFICIENT BOUNTY

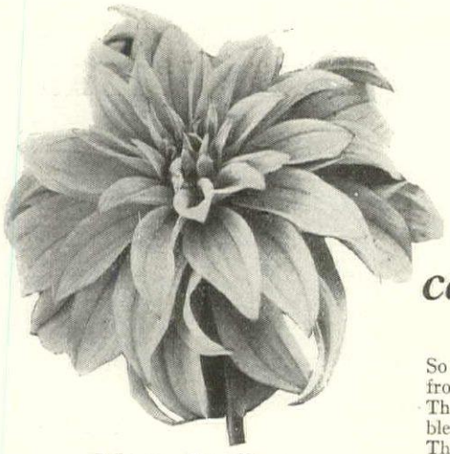
If you depend on nature alone to supply moisture for the lawn, shrubs or flowers in which you've invested your money, you're likely to lose at least part of your investment. For nature's help, though bountiful, is often unreliable.

Supplement nature's rains with a Cornell irrigation system, and you have the equivalent of an insurance policy which gives automatic protection against any damage or loss from dry weather.

W. G. CORNELL COMPANY
PLUMBING HEATING LIGHTING
Union Square, New York City

Chicago	Baltimore	Norfolk
Cleveland	Newark	Pittsburgh
Washington	Boston	St. Louis
Kansas City	Philadelphia	Montreal

Cornell
Systems of Irrigation



Mary Steffenson

Write today for free catalogue

So beautifully distinct from any other dahlia. The soft colors and tints blend so harmoniously. The most exquisitely formed flowers are carried so gracefully, erect to facing, on the long cane stiff stems. Size, six to eight inches. Color at base of petal, citron yellow, outer half creamy white, both yellow and white mottled and overspread rosolane pink. Many petals showing faint yellow along mid-vein. All dusted over with tiny glistening crystal-like particles, as of gold dust. An ideal dahlia for cutting, garden and for exhibition. Roots $5.00 each.

That *you* may know our dahlias we make the following

SPECIAL INTRODUCTORY OFFERS

5 beautiful Cactus Dahlias $1.00
5 grand Decorative Dahlias $1.00
2 Giant Century, 2 unique Collarettes, 2 Ball, 6 in all $1.00
5 Peony Dahlias, $1.00, 1 Pkt. new Decorative Dahlia Seed $1.00
Above 5 offers, each Dahlia carefully labeled, true to name, and my book on The Dahlia, **all postpaid for** $5.00

OUR NEW CATALOGUE, THE WORLD'S BEST DAHLIAS, not only shows Mary Steffenson, Queen Elizabeth, Golden West Cactus and 9 new Century Dahlias in natural colors, but **tells the plain truth** about the best new and standard varieties, including **12 wonderful new creations**, now offered for the first time.

THE LEADING DAHLIA CATALOGUE, FREE

Write today. A postcard will bring you a copy by return mail.

PEACOCK DAHLIA FARMS

Berlin — We are the largest in the world — New Jersey



NOW ONLY $175

If you have grass to cut on anything larger than a small city lot, write today for the new Moto-Mower Catalog. It will show you how, for an investment of only $175, for the 24-inch machine, or only $210 for the 27-inch machine, you can do your mowing with only one-fifth of your present cutting time and costs.

It will describe this wonderful Moto-Mower—the simplest, sturdiest machine on the market—only eleven moving parts. So simple a boy can run it. So strong it will last for years without repair.

It is a thoroughly proven machine. Used on hundreds of the country's leading parks, cemeteries, and private estates.

Write today for the catalog and have your machine in time to begin spring cutting.

THE MOTO-MOWER COMPANY
3242 E. Woodbridge Street — Detroit, Mich.

Window Ledge Gardening the Year Arou

(*Continued from page 76*)

dow-ledge boxes without check in growth or loss of flowers, and all like the cool spring weather and are not injured by a few degrees of frost. For a vine or trailer the plant which gives the greatest satisfaction is the English ivy (*Hedera helix*) and next to this *Vinca alba variegata* and *Vinca minor*.

Sometimes in the country the spring boxes can be prettily filled with wild plants. Clumps of blue violets, spring beauties (*Claytonia*), liverwort (*hepatica*), anemones and bloodroot (*Sanguinaria*), all of which bloom in earliest spring, are good. For foliage plants, rattlesnake plantains (*Goodyera*), princess pine (*Chimaphila*), and for a trailer, partridge berry vine (*Mitchella*). These wild plants should be lifted carefully with some earth on their roots.

Northern and Western exposures are quite trying to all plants in window-ledge boxes in very early spring. For such places, Dutch hyacinths, English daisies and pansies in earliest spring and, a little later, hydrangeas seem to be most satisfactory for flowering plants, and English ivy, periwinkle (*Vinca alba variegata*) and *Vinca minor* for trailers. For an eastern exposure all of these kinds of flowering plants, and also tulips, daffodils, crocuses, forget-me-nots and moss pinks, with English ivy and *Vinca alba variegata* for trailers. For boxes facing the south, try all of the spring plants previously mentioned except hydrangeas; even these do well in a southern aspect, if very careful attention is given to watering them freely. For a vine in this exposure we use periwinkle, or German ivy (*Senecio mikanoides*) is good, because our favorite English ivy does not like such conditions.

Good plant arrangements for spring boxes are: (a) Dutch hyacinths in the center from end to end; English daisies all around the box, a few inches away from the hyacinths; English ivy to trail over the outer side of box. (b) English daisies in the center from end to end; pansies all around the box a few inches from the daisies; *Vinca minor* (hardy periwinkle) to trail over outside. (c) Daffodils through center from end to end; yellow crocuses all around, a little away from the daffodils; an edging all around of blue forget-me-nots. (d) the same combination with yellow tulips in place of the daffodils; (e) Hydrangeas and English ivy.

Summer Arrangements

Some time between May 15 and June 15, take the spring plants out of the boxes and throw them away except the hydrangeas, which can be set out in your garden, to grow on for another year, and the English ivies which may be saved to use again in the summer boxes. Next, dig over and pulverize the soil in the boxes and add to it a spread of ground bone about ⅛″ thick, raking the latter into the soil and letting its stand a day or two. The number of summer plants from which to choose is large. For flowering plants there are geraniums, fuchsias, marguerites (Paris daisies), heliotropes, lantanas, purple and white ageratums, French and African marigolds, dwarf cannas, double and single petunias, sweet alyssum, lobelias, salvias, verbenas, bedding, "tuberous-rooted," and other flowering begonias, rose bushes, chiefly the dwarf polyantha (baby rambler) in their several colors, and Hermosa.

The available foliage plants are the many varieties of the Boston (*Nephrolepis*) and Pteris ferns, palms, crotons, dracaenas, pandanus, coleus, alternantheras, asparagus, rubber plants (*Ficus elastica*), aspidistra, both *lurida* and *variegata*, golden privet (*Ligustrum aureum*), *Aucuba variegata*, and Rex gonias.

There are several vines which trail over the sides of the boxes conceal their boxy effect, a feat which you should always try to av in all window-ledge gardening. best trailers are English and Gern ivies, tradescantia in its several col *Vinca alba variegata* and *Vinca min* From this array of flowering and f age plants and vines selections readily be made.

Different Planting Combinatio

Here are some summer combinati which perhaps you would like to try

For southern exposure and east aspects, (a) Geraniums through cen from end to end of box; dwarf b lobelia for edging of box, parlor (*Senecia mikanoides*) planted a little front and opposite the spaces betw the geraniums and trained to hang o the outer edge of box; tradescantia hang over the inner edge of box. Geraniums and dracaena indivisa pla ed alternately through the center of box from end to end, dwarf sweet al sum and dwarf blue lobelia planted ternately for an edging around the b Black-eyed Susan (*Thundergia ala* planted a little in front of the raniums and dracaenas and opposite spaces between them, and trained hang over the outer edge of box; t descantia on the inner edge of b (c) Lantanas through the center fr end to end of box; coleus in front the lantanas and in the ends of b a trifle back from the edge; *Alyss maritimum* (the large variety) all alo the outer edge as a trailer; *Pteris* fe all along the inner edge. (d) Polyant (baby rambler) roses, red or pink, pla ed closely through center from end end; an outer edging of alternanthera *Vinca alba variegata* just in front of t rose bushes to trail over the outer ed of the box; *Begonia luminosa* alo the inner edge. (e) Crotons and *D cacna terminalis* planted alternat through center from end to end; outer edging of begonia Vernon *luminosa; Vinca alba variegata* to tr over outer side of box; *Pteris* fe along inner edge. This is a combinati of foliage plants only. (f) Heliotrop and Paris daisy planted alternate through center; coleus in ends and fro corners; *Tradescantia zebrina* or *t color* along both outer and inner edg

For northern and western aspects, Fuchsias through the center from e to end; English ivy to trail over t outer side; *Pteris* or maiden-hair fe along the inner edge. In a direct nort ern aspect no flowering plant is mo satisfactory than the fuchsia. (b) Flow ering begonias, (the fibrous-roote half-woody species such as *Fuchsioide Ingramii, Haageana, Metallica, Ducha trei, Margaritae, Coccinea*, Pres. Ca not; English ivy or parlor ivy to tra over the outer edge; tradescantia alon the inner edge. (c) Rex begonia through center from end to end; *Vinc alba variegata* to trail over outer edge *Pteris* ferns along the inner edge. Th is a combination of foliage plants onl (d) Tuberous begonias through cente *Vinca minor* to trail over outer edge tradescantia for inner edge, foliag plants only. (e) *Ficus elastica* throug center from end to end; English ivy t trail over outer edge, *Pteris* ferns fo inner edge. This is a combination o foliage plants only. (f) Nephrolepsi ferns such as *elegantissima*, or *elegantis sima compacta*, Scotti, Teddy, Jr., Har risii, Victoria, all varieties of the famou Boston fern (*Nephrolepis exaltissima* and all well known now commercially and easy to obtain, through the cente

(*Continued on page 136*)

We Offer You Daffodils, *of* Incomparable Loveliness

Narcissi, or Daffodils, are probably the most popular of Spring-flowering bulbs. They bring Nature's first lavish display of color,—blooming from early March till May. Ease of culture makes the Daffodil the flower for every garden. All Daffodils are charming. Those below are representative of all that is best.

To Introduce Our "Cream of Holland" *Bulbs To Your Garden*

Garden lovers everywhere recognize the quality of our offerings. To encourage you to procure a representative grouping for your garden, we have arranged the following assortment. Send your order to reach us before June 26th and the bulbs will be delivered you in time for planting this Fall.

SELECTION NO. 1
"De Luxe Set"

Mrs. Chester Jay Hunt—the picture shows you all but the red margin of the cup.
Edrin—A gem for cutting.
Lord Roberts—a big flower, but perfect in form.
Weardale Perfection—the finest of all pale bicolors.
Masterpiece—the one all-red cup for our climate.
Whitewell—a wonderful flower that lasts longest of all.
Rosella—unlike any other in color of petals.
Orangeman—a striking contrast in color of cup and petals.

80 bulbs (ten of each) $24.25

SELECTION NO. 2
"Newer Varieties"

Bullfinch—a dainty flower of attractive form.
King Alfred—unsurpassed for its glorious golden yellow.
Epic—our favorite among the true Poeticus types.
Gloria Mundi—the best orange-colored cup among the yellow Incomps.
Lady Audrey—the most permanent of all white trumpets.
Spring Glory—big, tall, good grower and fine color.
White Queen—low-growing, but exquisitely beautiful in small clumps.
Homespun—the sunniest of yellows, and most perfect in form.

80 bulbs (ten of each) $12.95



A view of the gardens at Mayfair. Visit them in May and enjoy them.



This variety is Mrs. Chester Jay Hunt, offered in De Luxe Set.

SELECTION NO. 3
"Standard Varieties"

Albatross—the largest of the less costly red-edged Barrii kinds.
Beauty—a gem for the garden or for cutting.
Glory of Lisse—our favorite for growing in masses.
Fairy—the best yellow trumpet for permanent plantings.
Madame Plemp—the bicolor companion for Fairy in permanent plantings.
Artemis—the one yellow and white Incomp. to be always admired in our gardens.
Lucifer—a telling variety for the orange cup with white petals.
White Lady—tall, large, perfect in form and a splendid grower.

80 bulbs (ten of each) $6.75

WRITE FOR BLUE BOOK

Complete description of all these are included in our 1922 Blue Book, of which a copy will be mailed to all who send orders for any of the above collections. If you do not order from this advertisement and prefer to make your own selections from our complete list of varieties send $.25 for the Blue Book. This amount will be credited on future orders amounting to $2.50 or over.

CHESTER JAY HUNT, Inc., Mayfair Gardens, Main St., Little Falls, New Jersey

---

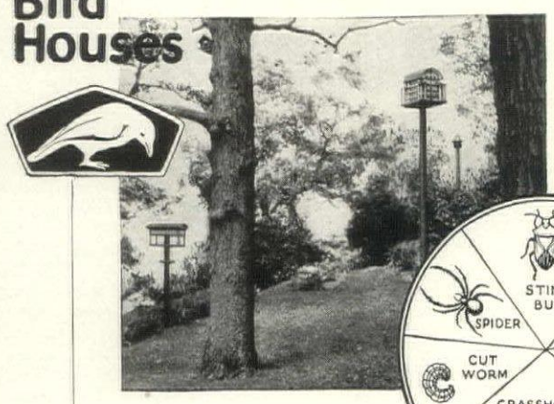


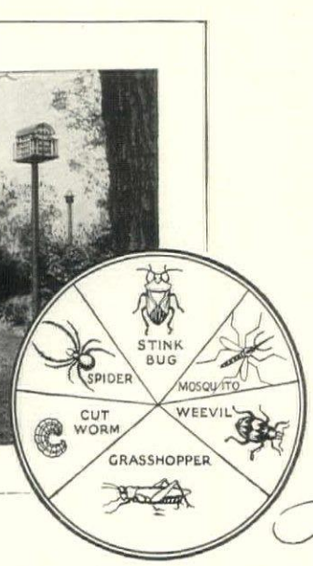
Wren House

Wrens live upon the grasshoppers, beetles, caterpillars, mosquitoes and spiders in your garden. One pair has been known to devour six hundred insects in a day.

Solid oak, cypress shingles, copper coping, with four compartments, 28 inches high. Price $6.00

Dodson Bird Houses







Sheltered Feeding Table

The early birds often need a little help in finding food, because of the late frosts. These feeding tables will attract the early birds, to stay all summer.

Operating automatically like a weather vane, always a shelter against the wind, with 8-ft. pole. Price $7.50.

See what the wren eats! A diet that's helpful to your garden and to you.

Joseph H. Dodson

President, American Audubon Association

Don't have insect pests about your grounds



Purple Martin House

Wonderfully musical and clear, the martin song is always a delight. But most of all the martin is beloved for its service of ridding premises of mosquito colonies.

Cottage style, twenty-eight compartments. Price $16.00. Other styles up to $78.00.

Why not write to Mr. Dodson? He will gladly tell you how to rid your grounds of costly insect pests by attracting the birds. Years of loving study have perfected Dodson Bird Houses. A regard for little details, even ventilation, determines whether birds will occupy a house. And amid the modern devastations of nature, the little birds need homes made for them. Hang one of these quaint houses from a limb, tack one to a tree, put one up on a post! They will attract the birds.

JOSEPH H. DODSON

731 HARRISON AVENUE KANKAKEE, ILLINOIS

Dodson Sparrow Trap is guaranteed to rid your premises of this noisy, quarrelsome pest, $8.00



FREE

You will find much of interest in Mr. Dodson's fascinating booklet, "Your Bird Friends and How to Win Them." There are many styles of bird houses. Mr. Dodson wins for you different birds with each. A booklet thru which to browse with pleasure.

Repeating

the sensational offer of *Wonderful New Flowers*, in our recent *House & Garden* advertisement--(If you haven't sent in your order, better do so at once):—

1. **Schling's Wonderful New Snapdragon "INDIAN SUMMER."** the greatest achievement in Snapdragons to date, introducing a new and bewitching color never before seen in Snapdragons—a lovely rich velvety and glossy copper color, indescribably beautiful! And as for size, it is without even a near rival. Pkt. $1.00, 6 for $5.00.
2. **The New Bedding Petunia Violet Queen**—a deep violet blue, entrancingly beautiful. Pkt. 50c.
3. **Queen Anne's Blue Lace Flower** of rare and delicate charm. Pkt. 50c.
4. **The New Dahlia-Zinnia,** monstrous double flowers with broad, long, over-lapping petals. Pkt. 50c.

All 4 novelties for $2.00

(or 2, 3, and 4 for $1.00)



Blue Lace Flower

Schling's Perpetual Spinach!

developed exclusively by ourselves, and not obtainable elsewhere. A real Spinach that you can cut and recut, and it will come and come again—not a Swiss Chard, but a big-leaved, quick-growing summer and fall Spinach which takes the place of all other varieties. A 2-ounce package which will cost you only $1.00, if you remit at once, is enough to supply the table with this delicious Spinach for a whole summer.

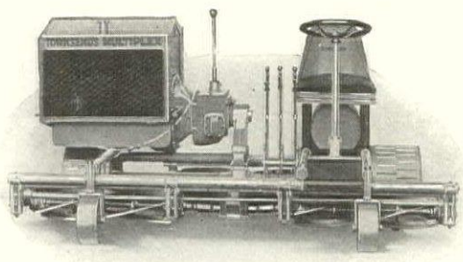
FREE: with any of above offers, our **"Book for Garden Lovers"** (regularly 25c).

Schling's Seeds 26 West 59th St. New York

Townsend's Multiplex

The Greatest Grass-Cutter on Earth

Cuts 100 Acres a Day



Cuts a Swath 12 feet, 114 inches or 86 inches Wide

Floats over the Uneven Ground as a Ship Rides the Waves

ONE unit may be climbing a knoll, another skimming the level and another paring a hollow.

Not an assembly of tractor and mowers but a single, compact machine like an automobile with 3, 4 or 5 cutting units.

Driven by a 17 H.P. four cylinder, water-cooled gasolene motor of great power and quality with Splitdorf Dixie Aero Magneto, a wonderful radiator, sliding gear transmission, two speeds forward and reverse, etc.

Can also be drawn by horse, the motor being removed, or converted into a powerful tractor by detaching the cutting units.

Can back up or turn a complete circle in double its width. Can stop in six inches:—it has a powerful brake—the only one that has. This is vital.

It has not a single cog wheel in its cutting units and but few elsewhere and those few very strong.

The cutting units are controlled from the driver's seat. Throw them *in* gear, throw them *out*, *raise* them, *lower* them—all with a tiny lever at your right.

Do we *guarantee* it? Write your own.

Send for catalogue illustrating all types of TOWNSEND MOWERS.

S. P. TOWNSEND & CO.

244 Glenwood Ave., Bloomfield, N. J.

Window Ledge Gardening the Year Around

(*Continued from page* 134)

from end to end, English ivies trailing over outer edge. This makes an elegant combination of green-leaved foliage plants. (g) *Pandanus Veitchii* and *Pandanus utilis* set alternately from end to end of box; *Vinca alba variegata* to trail over outer edge and green and white variegated tradescantia for inner edge; these are all foliage plants. (h) *Dracaena amabilis* and *Dracaena massangeana* planted alternately from end to end of box; *Vinca alba variegata* to trail over outer edge; green and white variegated tradescantia for inner edge. (i) *Kentia Balmoreana* or *Phoenix Roebelenii* palms through center; English ivy to trail over outer edge; green leaved tradescantia for inner edge. The plants suggested for boxes (h) and (i) are grown for the beauty of their foliage.

All of the plants mentioned for different seasons and aspects and in combinations can readily be purchased from any large grower of greenhouse plants or through your florist; rare plants have been excluded.

In mid-autumn the summer plants should be removed from the boxes, saving such as can be used in the indoor window garden or conservatory, and also the English ivies. Again you should work over the soil and pulverize and fertilize it freely with pure ground bone, allowing it to stand a few days before setting out the shrubs and vines for winter. It is better to plant these about the middle of October, since rather early planting gives the shrubs and tree roots time to become established and make some new growth before extreme cold weather comes.

Small evergreen trees are excellent for winter window-ledge boxes. Especially suitable among them are *Retinispora obtusa* and its golden leaved variety *aurea; Retinispora felifera*, and its varieties *aurea, sulphurea and argentea*; Picea compacta nana; *Picea orientalis Picea pungens glauca Kosteri; Pinus mughus; Pinus strobus; Thuja occidentalis*, and its dwarf varieties *Hoveyi* Little Gem and *Spaethii; Thuja orientalis* and its variety *nana; Tsuga Canadensis; Taxus cuspidata; Juniperus Sabina* and *Virginiana;* boxwoods (*Buxus sempervirens.* For a vine or trailer, English ivy trained to grow around the margins of the box and to hang down on the outer side.

As a northern exposure is rather trying to nearly all flowering plants in window ledge boxes in the spring, so a strictly southern aspect is equally unfavorable to the evergreen trees and vines in winter.

It is far preferable to plant one kind of evergreen only in a box. In southern and eastern aspects, use the golden or silver leaved varieties of evergreens, such as *Retinispora felifera aurea* (golden-leaved), *sulphurea* (sulphur-leaved) and *argentea* (silver-leaved). In northern and western aspects the green-leaved and blue-leaved evergreens such as *Pinus Mughus,* boxwoods, and *Picea pungens glauca Kosteri* (Koster's blue spruce) are good. There is only one vine which is satisfactory in winter window-ledge boxes, and that is the English ivy. It thrives better in a northern than in a southern exposure.

All of these evergreen trees and shrubs and the vines which have been mentioned can be purchased directly from nurserymen who grow ornamental shrubs and trees, or through a florist. Only the best should be bought.

Insect Enemies of Ornamental Trees

(*Continued from page* 65)

The maple and oak pruner is occasionally injurious to a variety of trees, producing an unsightly condition in late summer and early fall due to the numerous, partly severed, cleanly cut, small twigs hanging here and there. The injury appears greater than it really is, since as a rule comparatively little damage follows severe pruning. The borer winters in the severed tips; consequently general collecting and burning of the fallen twigs before warm weather returns is a most effective control measure.

The bronze birch borer produces annular ridges in affected wood, destroys branches or entire tops of trees and has killed thousands of cut-leaved birch. Badly infested trees or branches should be cut and burned by May 1st in order to destroy the contained insects. Spraying birches and nearby trees such as elms with poison in early June may possibly result in killing many beetles before they can deposit eggs.

The leaf eating insects include a number of common species, some very injurious. The leaves of trees function as assimilating organs and their destruction means a serious check to growth, which may be followed by invasion of borers, insects which produce conditions favorable to entry by destructive fungi. Experience with the elm leaf beetle and the gipsy moth show that defoliations for three or four years in succession will practically ruin strong, vigorous trees and that one stripping is deadly to evergreens. Elm leaf beetles appear early in spring and eat irregular, oval holes in the young leaves, while the grubs begin feeding on the under surface of the foliage the latter part of May or early in June. Spraying with arsenate of lead, 3 lbs. of powder to 100 gals. of water, when the beetles commence feeding, or the same treatment at the time the grubs begin activities is entirely effective, provided that in the latter case the poison be thrown on the under surface of the foliage. Control of the first brood ordinarily means little or no injury from the second in sections where this latter develops.

Gaudily colored tussock caterpillars frequently abound on chestnut, linden, elm and maple. The females are wingless, the insect very local and therefore individual trees may be protected by removing the conspicuous white egg masses in winter or early spring. Bands of sticky fly paper or tree tanglefoot on the trunk will prevent infestation from nearby trees. Never band with cotton batting or other materials saturated with oil, because it penetrates the bark and frequently kills the trees. This insect is readily controlled by early and thorough spraying with poison.

Shade trees are also subject to attack by a number of usually more intermittent pests, such as the forest tent caterpillar with its row of silvery white, somewhat diamond-shaped spots down the middle of the back and a marked preference for sugar maple and poplars in northern New York and for oaks on Long Island and farther south. It is sometimes very injurious to apple trees. The large, spiny, black elm caterpillars occasionally strip tips of elm branches and in the Adirondacks may defoliate extensive areas of poplar. The common fall webworm with its conspicuous filmy tents or nests is another general leaf feeder.

The secret of success in controlling leaf eating caterpillars lies in detecting an infestation early and applying poi-

(*Continued on page* 138)

Wonderful Water-Lilies Soon Become the Heart of the Garden



While a concrete pool has a permanent value, splendid Lilies can be grown in tubs or barrels. See instructions in my catalogue

A little garden in a big city, or a big garden in a little city, is not at all difficult for the flower-grower who makes Water-Lilies the center of the plan. No other plants require less; no other plants give more in loveliness and fragrance of bloom.

Every Hour of the Day And Through the Night

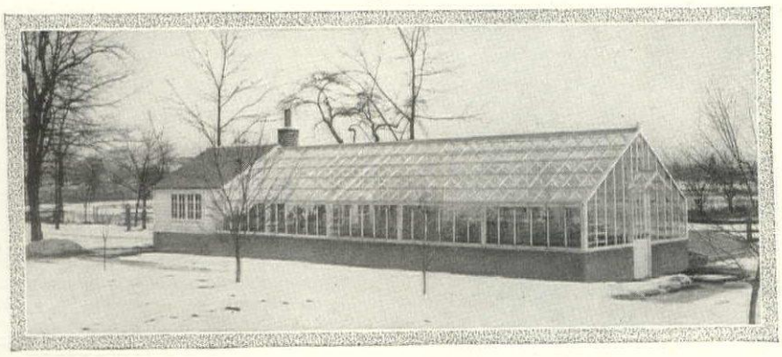
your Lily pool will be different, and far above the ordinary garden display. There are a score of varieties that reflect the glories of the mid-day sun—Panama-Pacific, Pennsylvania, Rose Arey, William Falconer, Mrs. C. W. Ward, Eugenia DeLand, Pulcherrima, and a score or more of almost equal beauty.

At night you will admire the loveliness of Dentata magnifica, Frank Trelease, Omarana, and others of the night-blooming class.

Water-Lilies require practically no care, and are fully as reasonable in price as plants that are common in all gardens.

My 1922 *catalogue* will open a new and charming garden outlook. It illustrates several varieties in color and halftone; describes the best Water-Lilies and water plants. A copy will be sent you on request.

William Tricker—Water-Lily Specialist
662 Forest St., Arlington, New Jersey



The Most Greenhouse—For the Least Money

BY the least money, we mean, the least that is consistent with lastingness and the making of a happy healthy home for your plants.

It's just a clean cut, thoroughly practical greenhouse, in which the ornamental touches and extra refinements, so to speak, have been eliminated.

Still it is decidedly good looking, and will grow just as many and just as fine quality of flowers, as any house that costs more.

It is a house we have been building for years. But the times have made so many folks want to strip things for the running, as it were, that they quickly buy this Practical Purpose house, when they would not buy our regular one with its curved eaves and other features.

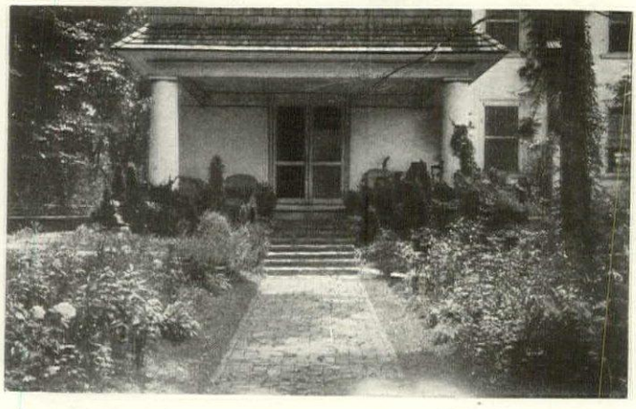
Glad to send you fullest of particulars, or one of us will come and talk it over with you.

Lord & Burnham Co.

Builders of Greenhouses and Conservatories

IRVINGTON New York — NEW YORK 30 E. 42nd St. — PHILADELPHIA Land Title Bldg. — CHICAGO Cont. Bk. Bldg. — BOSTON 11 Little Bldg. — CLEVELAND 407 Ulmer Bldg. — ATLANTA Atlanta Trust Co. Bldg. — TORONTO Harbor Commission Bldg.

EASTERN FACTORY Irvington, N. Y. — WESTERN FACTORY Des Plaines, Ill. — CANADIAN FACTORY St. Catherines, Ont.



DON'T abandon your plans for beautifying your grounds this season. There is still a good deal of effective planting that you can do even in May—many varieties of Perennials, for instance, and Evergreens. One of many happy arrangements is the plan shown in the picture: the approach to the house bordered by Perennials, with Evergreens for the foundation planting. The Evergreens not only provide a rich setting for the house but a background which enhances the natural beauty of the mass of Perennials. The result is a warm, colorful, fragrant greeting to your guests and an indelible impression of charm and hospitality.

Moons' Nurseries
THE WM. H. MOON CO.
MORRISVILLE PENNSYLVANIA
which is 1 mile from Trenton, N.J.



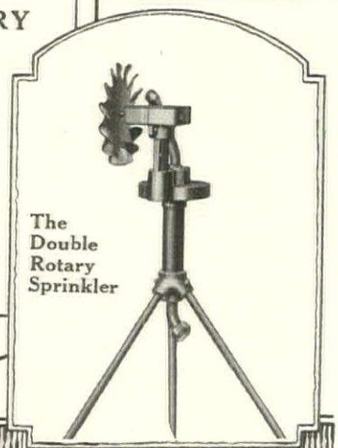
"Like a Gentle Shower"

The DOUBLE ROTARY SPRINKLER, constructed on a new and improved principle of efficiency, has won the approval of particular home owners and landscape architects in all parts of the country. It sprinkles more lawn surface—better, is self-operating and built to serve many seasons.

THE DOUBLE ROTARY SPRINKLER

Sprinkles the even, natural way "like a gentle shower". Covers a radius of 15 to 80 feet, according to water pressure. All parts are made of best materials and are interchangeable.
Price $12.50 prepaid anywhere East of the Rockies. Order from this advertisement or write for further description and information.

THE DOUBLE ROTARY SPRINKLER CO.
1229 Coca Cola Bldg. Kansas City, Mo.


The Double Rotary Sprinkler

Insect Enemies of Ornamental Trees

(*Continued from page* 136)

son before there has been material damage. The irregular, oval holes made by elm leaf beetles, the small transparent spots in the leaves produced by their grubs, the irregular gnawed areas of tussock moth caterpillars, a marked thinning of the upper foliage by forest tent caterpillars, green maple worms and gipsy moth caterpillars are early signs of injury, which should be interpreted by tree lovers as a call for thorough and prompt spraying with poison.

Shade trees suffer from inconspicuous scale insects, all too frequently overlooked in examinations to determine the cause of obscure troubles. The oyster shell scale frequently kills ash and poplar and sometimes the smaller branches of elm. The cottony maple scale thrives upon soft maple, occasionally festooning the under side of the smaller branches with its conspicuous cottony matter. The false maple scale produces in midsummer unsightly cottony masses on leaves of hard maple and chalk-like aggregations of cocoons upon the bark of the trunk and larger branches. The sucking scale insects make heavy levies upon the vital sap of the tree.

The oyster shell scale is easily controlled by thorough and early spring spraying with a standard miscible oil, 1 to 16. Similar treatment is frequ advisable for cottony scale on maple. Oils should not be applie sugar maples and in some instanc least, even somewhat unsightly in tions by the false maple scale may result in serious damage.

Plant lice or aphids are some exceedingly abundant. The No maple is very subject to infestation occasionally elms and other maple rather seriously affected. One louse produces the familiar cone ga spruce, though the very inconspic spruce bud scale, which resembles so closely that it is usually overlo may be even more injurious than gall aphid. Generally speaking, ough applications of tobacco soap arations such as Black Leaf 40 use the rate of ¾ of a pt. to 100 gal water to which are added 6 to 8 of any cheap soap will check ordi aphid work. The earlier the spra the more adequate the protec Spray for spruce gall aphid wit standard miscible oil, 1 to 20, ma the application in April. It is pos that this treatment is of conside value in checking the spruce bud though spraying with a tobacco preparation about mid-July will stroy many of the crawling youn the latter.

Hollow Tile As a Building Safeguard

(*Continued from page* 80)

1. They have ample strength to carry ten times the load ever required.
2. The confined air within the walls affords insulation against heat, cold and dampness.
3. They are fireproof and permanent.
4. The large size units insure economy of both labor and mortar.

The owner has a choice of two types of construction: one with tile walls and the usual frame interior, or fireproof construction with tile walls, combination tile floors and tile partitions.

There are two standard shapes of tile: end construction with units 8″x12″x12″ laid in the wall with cells running vertical, and side construction with units 8″x5″x12″ laid in the wall with cells running horizontal. There are also a number of patented shapes made in different parts of the country for which special claims are urged. The construction of a hollow tile home is comparatively simple and progress rapid, owing to the large units.

With the building laid out and excavation completed, a poured concrete footing not less than 8″ thick and 18″ wide should be built under all outer walls and wherever partition walls in the basement occur, with ample concrete footings for all piers. The tile construction can then be started.

For the ordinary two story residence, a 12″ tile wall should be used from the footing to the first floor joist, and an 8″ wall for the first and second stories. In some cities however, the building codes still require 12″ masonry walls for the first story.

Any mason can handle tile construction satisfactorily, as it only requires a wall to be carried up plumb and the courses properly bonded.

Probably 80% of the residences constructed of hollow tile are plastered directly to the tile. This is satisfact provided precaution is taken to clos the exposed ends of the tile beneath above window and door openings, at the top of the wall, so that the is confined in the wall.

A cement mortar should be u composed by measure of one part P land cement to not more than t parts clean sharp sand to which may added hydrated lime not exceeding by volume of the cement.

Under present day prices a hollow home with stucco finish should not ceed by more than 5% the cost well built frame. A brick veneer add another 5%. That this pric ample and in many instances exces is evidenced by a letter just rece from a firm of Mississippi archite

"We have just completed plans f large one-story residence to be fa with rough-texture brick, backed with tile. It might interest you to kn that the cost will probably not ceed by more than 2% the estimates frame construction with cypress wea er-boarding."

In using hollow tile the home ow has four choices of finish:

1. Stucco in its various forms, which hollow tile makes the best sible base.
2. Exposed tile with a finish simila a face brick. The common size is high by 12″ long.
3. Face brick veneer over a hollow wall.
4. A veneer of limestone backed by a hollow tile wall.

Where stucco is used, the design a home should permit a generous ov hang of eaves and cornices. Provis should also be made for a brick cou at the grade or a poured concrete gra course for protection of the stucco.

Surrounds Your Home With Birds



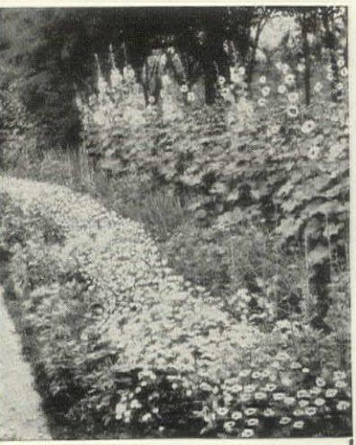
To add the beauty and charm of birds to your home surroundings you need only to follow and understand

The Reiber Method

of attracting them. It is patterned after Nature, as explained in booklet, *"Birds in the Garden."* Send for your copy.



The Reiber Bird Reserve
West Webster, N. Y.
P. O. Box 123



A 25-ft. Border of HARDY FLOWERS

SIX feet wide—all planned and laid off for you by garden expert—150 healthy plants, 20 different varieties including Delphiniums, Foxglove, Canterbury Bells, Iris, Chrysanthemums, Hollyhocks, Hardy Asters and thirteen others! Provides wealth of lovely bloom all summer long, year after year! Plan and planting instructions with every shipment. Turn it over to your gardener or, if you love flowers, plant it yourself and get increased pleasure from results!

Price $25 f.o.b. Baltimore, securely boxed—an average of less than 17c each for strong, healthy plants that would cost you much more if bought individually. 15-ft. border, 60 plants, 11 varieties, $10. Order NOW for Spring shipment. Descriptive pamphlet on request.

∴ LOUDON ∴ NURSERIES
Incorporated
H. CLAY PRIMROSE, *President*
IRVINGTON, MD.





Get this valuable Book on Better Lawn Care



Every one interested in the care of large, beautiful lawns should have a copy of this book, which tells all about Ideal Power Lawn Mowers. It shows many photos of well-known homes, parks, golf clubs, cemeteries, colleges, etc., where the lawns are cared for the "Ideal Way." It tells about the Ideal Junior, a moderate priced power mower for medium-sized lawns, the 30-inch Ideal Power Lawn Mower for large lawns, and the Ideal Triplex Power Mower for large parks, golf clubs, etc. Write for this book today—learn how to keep your lawn in better condition at less cost.

IDEAL POWER LAWN MOWER CO.
R. E. OLDS, Chairman
403 Kalamazoo St. Lansing, Mich.
Chicago, 11 E. Harrison St.; New York, 270 West St.
World's Largest Builders of Power Lawn Mowers. Dealers in all principal cities.

Above—the 30 In. Ideal
Below—the Ideal Junior

IDEAL Power Lawn Mowers
The Ideal rolls as it cuts.
Keeps the sod smooth and firm.



PERGOLAS and ARBORS

This advertisement shows only a few of suggestive features from our catalogue containing several hundred distinctive garden decorations.

When writing, for copy, enclose 20c and ask for catalogue "P-34".



Garden Houses
Lattice Fences
Garden Furniture
Plant-Tubs & Ferneries
Sun-Dials and Gazing Globes

Hartmann Sanders Co.
Main Office and Factory
2155-87 Elston Ave., Chicago, Ill.
Eastern Office and Show Room
6 East 39th St., New York City

HILL'S SILVER JUNIPER



A wonderful gem of beauty. Endorsed by leading horticulturists. Grown and introduced by D. Hill, the Evergreen Specialist

Narrow, symmetrical, compact
Exquisite blue in color
Retains blue color in winter
Attractive clear blue berries
Hardy—North or South

Order direct or through your local Nurseryman, Florist or Landscape Architect. Send for complete catalog. Also folder "Cozy Bungalow Collections."

D. HILL NURSERY CO.
Evergreen Specialists for over 60 Years
3013 Cedar Street - DUNDEE, ILL.

Do You Love Peonies?

WILL you invest fifty cents on my say-so?

For a number of years I have been a peony enthusiast. First grew them as a hobby, and lately at the encouragement of friends started to sell some of the roots.

Last year I published "Tips and Pointers," my first book for peony lovers, containing not the usual index to peony varieties, but the whole truth about peonies as I have learned it during my many years of close study. The book had a great reception. From the hundreds of testimonial letters, I'd be inclined to admit it might possibly contain information about peonies long desired and never published.

Unvarnished Facts About Peonies

My 1922 book is now completed. It is too expensive to be distributed indiscriminately but every reader of House & Garden is welcome to a copy.

If You Are Going to Grow PEONIES You Will Get Help From This Book

Some of the illustrations are lithographed in eight colors. I am told they are the best color illustrations of Peonies ever published. They cost $750 each. The illustrations are but one point of value in the book. You will find in this book the whole truth about Peonies, from the Peony Heaven to the Peony Purgatory.

It tells you the facts about how to get the best of peonies in the easiest method. The information it contains cost me years of experience as an amateur and countless money and study. So sure am I that the book is worthy of your attention that I will make you the following liberal proposition:

Send 50c for "Facts about Peonies"

Read the book and if you do not think it worth $1.00, I will return your 50c and you can keep the book. In addition you may deduct 50c from your first peony order, amounting to $5.00, so that the book really costs you nothing.

When ordering please mention "Special offer to House & Garden readers". Those who have never heard of me are welcome to a free copy of last year's book called "Tips and Pointers".

Henry S. Cooper

HENRY S. COOPER
Peony Fan
KENOSHA WISCONSIN

Nature's Wonderful Secrets Revealed

IF THE great "out-of-doors"—the meadows basking in golden sunshine, the cool, quiet woodlands, the rushing streams—call to you irresistibly with the first warm days of Spring—

—If you delight in the song of birds, in the gorgeous hues of the myriads of butterflies, in the beauty and scents of the hundreds of wild flowers, vines and shrubs which spring up on every hand—

—Then you will find the four wonderful books known as the **Little Nature Library** a source of unending delight.

Little Nature Library

Gives you the exact information in both illustration and text that you need to enable you to identify every bird, tree, flower, and butterfly that you see. These books have beautiful color plates which give you, for identification, the exact colors of birds, flowers, butterflies, etc., as the text describes the habits, family history, travels, methods of propagating and of protection against enemies. They increase your pleasures in the great outdoors by telling you many of the little-known things about Nature's creatures that will make your walks a hundred-fold more delightful. Each book is handsomely bound in cloth, size 5½ x 8¼ inches. The titles are "Birds," by Neltje Blanchan; "Butterflies," by Clarence Weed; "Wild Flowers," by Neltje Blanchan; and "Trees," by Julia Ellen Rogers. Every page is illustrated in a manner that sustains interest and gives you a new delight in Nature.

Examine Them Free

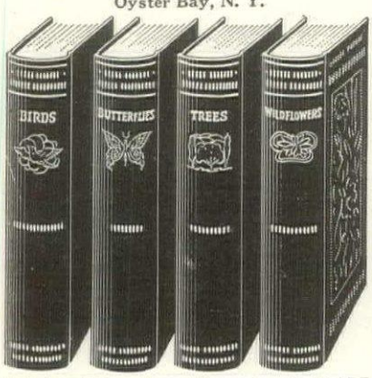
No description can do justice to these extraordinary books. See the books themselves. Send for the complete set on approval. Don't send money now—just mail the coupon and we will send the four volumes for your personal 10 days' free examination. If, at the end of that time, you decide to keep them, and we feel **sure** you will, just send $1.50 and then $1.00 a month for six months. And remember that any time during your ten-day free examination you can return the books and you will not owe anything—you will not be out one cent.



SEND NO MONEY

When you get the books, take a little stroll and read the absorbing text on what you see. Discover this new and remarkable world. Take advantage of this free trial offer. Send the coupon below.

Nelson Doubleday, Inc., Dept. 75
Oyster Bay, N. Y.



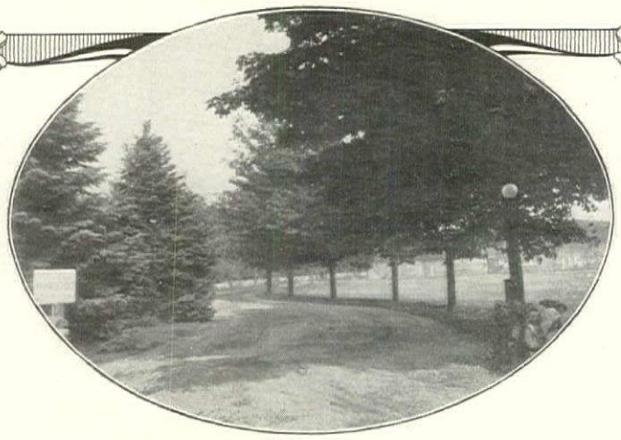
Nelson, Doubleday, Inc.,
Dept. 75, Oyster Bay, N. Y.

Please send me The Little Nature Library in four volumes for my 10 days' free examination. Within 10 days I will either send you $1.50 and then $1.00 a month for 6 months or return the books without owing one cent.

Name .....

Address .....

City ..... State.....
If you prefer to send cash with order you need send only $7.00 in full payment.



"A Natural Dust Layer"

SOLVAY is especially suited for use on the drives and paths of country clubs and private estates. It is clean, has no odor, and does not "track"; keeps road surfaces smooth, compact and free from dust and weeds.

SOLVAY

GRANULATED

CALCIUM CHLORIDE

is a white, chemical salt, easily applied and quickly absorbed by macadam, gravel or dirt; a combined dust layer and surface binder both economical and effective. SOLVAY comes in air tight steel drums ready to apply. No special equipment is necessary.
SOLVAY is extensively used on private and public roads everywhere because of its economy, cleanliness and durability.

Copy of new illustrated booklet will be mailed postpaid upon request.

SEMET-SOLVAY CO., Syracuse, N. Y.

Visit a Garden Where Dutch Bulbs Are Blooming

Take a copy of Farr's Bulb Book with you, check the varieties you like and want in your own garden. This is usually the most satisfactory way to select the colors that appeal to you.

Price Reductions Have Come on Bulbs

Dutch Bulbs are showing a slight reduction in price. All my customers will benefit by these reductions, but to those who order before June 1st (sending cash with order) I give a special discount of 2 per cent over and above the usual 10 per cent discount on orders received before July 15th.

Send Your Order in May And Get 12 percent Discount

From June 1st to July 15th the discount is only 10 per cent. After July 15th you must pay the prices printed in

Farr's 1922 Bulb Catalog

Hyacinths, Tulips, Narcissi, Crocus, and fall plants are described and pictured. Write for a free copy *now*, and save money by ordering Dutch Bulbs in May.

BERTRAND H. FARR
Wyomissing Nurseries Co.
106 Garfield Avenue,
Wyomissing Penna.

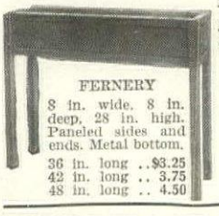
Have an early Spring in your home



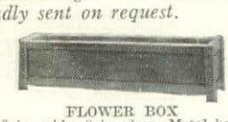
NOVELTY HANGING BASKET
14 in. square, 7 in. deep. Hangers and Moss furnished 95c

DIRECT FROM OUR FACTORY we will send you, by prepaid parcel post, window boxes and ferneries at surprisingly low prices. Staunchly constructed of fir wood—carefully finished in green or brown stain. Plant your slips in them now. Protected from the chill night air and late frosts, they'll thrive and blossom early.

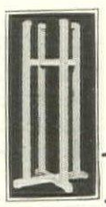
FREE: Our Spring booklet on Garden Furniture, Pergolas, Arbors, Lattice Fences, and other attractive garden things. For modest grounds or large estates. Gladly sent on request.



FERNERY
8 in. wide, 8 in. deep, 28 in. high. Paneled sides and ends. Metal bottom.
36 in. long ..$3.25
42 in. long .. 3.75
48 in. long .. 4.50

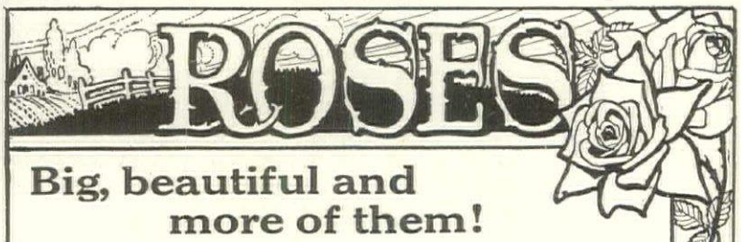


FLOWER BOX
8 in. wide, 8 in. deep. Metal bottom. Paneled sides and ends. 36 in. $2.75; 42 in. $3.25; 48 in. $3.75.



JARDINIERE STAND
12 in. square, 32 in. high. $1.55

GARDEN CRAFT 9 Lake Street Crystal Lake, Ill.



Big, beautiful and more of them!

FEED your plants Stim-U-planT; see them immediately increase in size, brilliance and fragrance. Use these convenient tablets each wrapped moisture proof, on all shrubs, plants and vegetables.

It never fails—a wonderful scientific concentrated plant food. Clean, easy to use; no dirt, stain or smell. There is no substitute. Grateful gardeners everywhere use and praise it. Fine for Lawns.

Price 75c per 100; $3.50 per 1000. Postpaid.

If your seed dealer hasn't it, order from

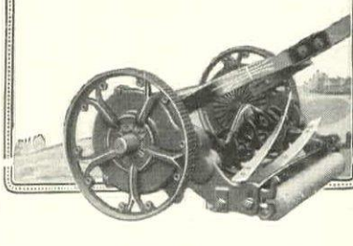
Earp-Thomas Cultures Corporation
80-82 Lafayette St. New York

PENNSYLVANIA QUALITY LAWN MOWERS

A lawn mower is known by the service it gives.

That's why Pennsylvania Quality is known as the standard of satisfaction and economy.

At Hardware Dealers and Seedsmen





Grounds of Donald S. Tuttle, Naugatuck, Connecticut. Planned and planted by our Landscape Department.

Landscape Effects Like This Do Not "Just Happen"

They must be carefully planned long in advance. Start this spring with a definite plan in mind—a group of evergreens here; there a stately beech or elm to intercept the afternoon sun.

Consider a Box-barberry hedge for the formal garden; shrubs for foundation massing and for border plantings; hardy Ibolium Privet for hedges. Be sure to have climbing roses for trellises and walls; roses and perennials for the garden, and don't forget the small fruits for the kitchen garden.

Write for our 1922 catalogue—it tells you how to use plants for best results.

The Elm City Nursery Co.
WOODMONT NURSERIES, INC.
Box 194, New Haven, Ct.
The Pioneer Landscape Nurseries Of New England



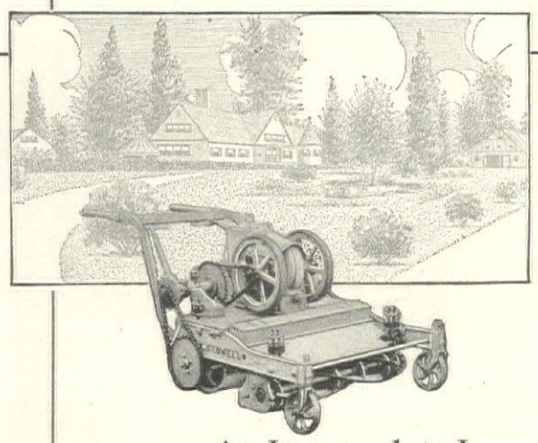
No. 238 *Price* $14.00
Weight, 80 lbs. Approx. Height, 24 in.

OUR FRIENDS —the BIRDS

will appreciate a Bird Bath at which to pause, drink and bathe. Many designs of bird baths, sundials, Garden seats and Ornamental flower pots are illustrated in our 1922 catalog sent free on request.

Dealers attention.

THE WHEATLEY POTTERY COMPANY
4617 Eastern Ave., Cincinnati, O.



An Immaculate Lawn As an Emphasis to Your Beautiful Home

With a view to better lawns, at lower costs, this Model "H" Walk Type Motor Roller and Mower is offered as one of a well-known line—a model designed primarily for use on lawns of medium proportions, and of moderate income.

Well planned and sturdily built throughout, it may be intrusted to the hands of unskilled labor with no loss in mechanical efficiency, and at a steady capacity of six acres a day. The Coldwell "H" rapidly retrieves the slight difference in first cost by enabling a more frequent cutting, and gentle rolling, of the lawn—a health factor for grass growth that is directly reflected in verdant beauty.

In the interests of the home beautiful why not let Coldwell offer a few suggestions?

Coldwell Lawn Mower Co.
Newburgh N.Y., U. S. A.

By the Editor of House and Garden

TRULY RURAL

Richardson Wright

Here is a book to *own*; the story of how Mr. Wright bought an old farm house and made it over into a home to be proud of. He had endless fun in doing it and he passes all of it along to the reader together with just the definite learned-by-experience knowledge that will make his book a treasure as well as a joy to every reader of House and Garden.

Price $2.00. Get it from your bookseller or mail a check today to the publishers.

4 Park St. Boston **HOUGHTON MIFFLIN COMPANY** 16 E. 40th St. New York



PEONIES & IRIS



All the newest European and American introductions

Highest awards by American Peony Society.
Highest awards by American Iris Society.
Movilla plants are unsurpassed for vigor and freedom of bloom.
Descriptive catalog compiled by James Boyd and John C. Wister—30¢. Price list free.

MOVILLA GARDENS
HAVERFORD PENNSYLVANIA

WHAT YOU CAN DO IN MAY

A Personal Message from Henry Hicks

THE leaves will be coming out when you read this, and according to old-fashioned beliefs the planting time for trees, shrubs and perennials will be about over. To many people this still seems a fact, but a growing number of the clients of Hicks Nurseries are coming to realize it as a fallacy.

The fact is, that more than eighty percent of all the different classes of trees, shrubs and plants growing at Hicks Nurseries can, by our methods, be transplanted to your grounds successfully not only through the month of May, but all summer long. In other words, we have discovered how to transplant safely through the period of plant growth. This is becoming recognized generally. (See editorial article on page 90, House & Garden, March issue.)

We have worked out methods which assure success, and make it possible for you to fill in those vacancies which often appear after your already established garden is up. If you have moved into a new place, perhaps, where no planting at all has been done, or if you wish to change completely the plan which you now have, let us help you. You can even set out an entire landscaping scheme this month and secure immediate effects.

IF YOU LOVE A PLANT YOU CAN MAKE IT LIVE ANY TIME

It is not possible for nurserymen to supply, nor for the public to procure, in the Spring, all that should be planted to make America more beautiful. Our method extends the season for planting. Will you let us help you?

We have not changed the prices,—simply send for our catalog or tell us your wants, and let your judgment show you.

VISIT HICK'S PLANTATERIA

If you're near Long Island, come out and find your appetite for beauty satisfied temporarily. We'll arrange to transfer the beauty to your grounds.

Assembled near the office are thousands of plants ready for sale all summer. Some are heeled-in in the ordinary way. They can be taken up, pruned, dipped in mud and put in boxes. Others are in pots, tubs and boxes. Others are taken up with a ball of earth, in burlap or canvas. You can take them with you.

Out in the nursery there are thousands of shade trees and evergreens, 5, 10, 20 and 30 years old that can be taken up all summer with balls of earth. As long as we are willing to deliver or ship, it is safe to plant. Why? We guarantee our shipments to grow satisfactorily, or we will replace free, with stock dug and loaded at the nursery.

THE FUN OF A TRIP TO THE NURSERY

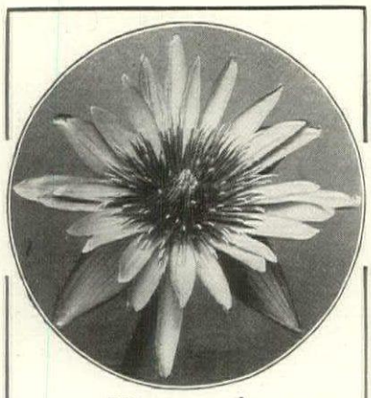
Lots of people enjoy studying plants and arrangements here. You can roam around. Do you want to pick a branch or flowers to study? You can. You don't need to be bothered with a salesman and you don't need to worry about long Latin names. If you like the looks of a plant you can have it. If you want to know if it will be entirely happy in your soil, we will tell you.

Did you get Home Landscapes, '22? It is good, fresh, breezy, helpful, pleasantly different. You miss a treat if you don't get it.

And remember,—If you love a plant, you can make it live anytime.

(Signed) HENRY HICKS.

HICKS NURSERIES
(Mention House & Garden)
WESTBURY, BOX H. LONG ISLAND, NEW YORK



Dreer's Water Lilies

MAKE your plans now for the gorgeous tender or tropical Nymphaeas, and be ready for the actual planting in June which is an ideal time.

We offer strong, pot-grown plants of a grand assortment of both day and night blooming varieties in all colors; also *Victoria Trickeri*. Hardy Nymphaeas and Nelumbiums can not be supplied at this season.

All are described in Dreer's Garden Book, which also gives full information on growing Flowers and Vegetables of all kinds. A copy free if you mention this publication.

We offer free to our patrons the advice of our experts in devising plans for ponds and selecting varieties.

HENRY A. DREER
714-16 Chestnut Street
PHILADELPHIA, PA.



Make A Clear Cut Edge to Your Lawn

WITH A

Richardson Border Machine

(1922 MODEL)

THE use of the Richardson Border Machine is conducive to a better kept lawn, in that while the lawn is being mowed the edges can be trimmed quickly and easily. The inclination to neglect the edges is removed by the facility with which this machine does that work, with little effort and fatigue.

Please Write for Booklet

THE STANDARD SAND and MACHINE CO.

5151 St. Clair Avenue **Cleveland, Ohio**

A GARDEN PLAN

for your property is part of the service *given* to all interested in beautifying the home surroundings. In over thirty years' planting in and around Chicago, we have learned exactly what plants to grow, and now have almost two hundred acres of trees, shrubs, and perennials especially adapted to the rigorous climate of this section. They will succeed in your garden better than plants grown elsewhere.

Send for catalog

Pfund Nursery Co.
"Elmhurst Nurseries"
8 East Huron Street, Chicago



Have Birds in Your Garden

No garden is complete without robins, wrens and other cheery native birds to give it song and life. The greatest inducement you can offer them to visit you this summer is a good bird-bath.

Our bird-baths, fountains, benches and all kinds of garden furniture and ornaments are made of artificial stone properly designed, attractive, and as durable as stone.

Catalogue G describes and illustrates them interestingly. We shall be glad to send it upon request.

Architectural Decorating Company

Specialists in Garden Furniture of Artifical Stone—Weatherproof

1600 South Jefferson St. Chicago, Ill.

The Fame of Jacobs Bird-Houses is Known in Every Land



Beautify your grounds and help your bird neighbors by using the JACOBS colony houses for the Purple Martin, Individual nest-boxes for the Bluebird, Wren, Chickadee, Swallow, Nuthatch, Titmouse, Flicker and other woodpeckers.

Bird Baths and Drinking Fountains; Feeding Devices for Winter Birds. Government Sparrow Traps and Bird Bander's Traps.

Beautiful illustrated booklet describing our products free.

Name this magazine and receive a copy of The American Bird-House Journal.

Over 39 years' experience with birds.

JACOBS BIRD-HOUSE AND MANUFACTURING CO.
Waynesburg, Pa.



Drives Drudgery from your Garden

Bolens Power Hoe and Lawn Mower Tractor

$180.

Perfect tool control so you can work crooked rows of plants, like a wheel hoe. Clears plants 14 in. high. Differential drive permits turning at the end of row without exertion. Snap Hitches on all attachments enable operator to instantly change from lawn mowing to seeding or cultivating. Does the work faster and better. Gives you time for pleasure gardening.

A boy will run it with delight

Write
GILSON MANUFACTURING COMPANY
112 Park Street, Port Washington, Wis.

Bungalows

Send for this Beautiful Book



Postpaid for $2.00

FOR many years I have *specialized* in building Bungalows and Homes—aggregating over one-half million dollars' worth yearly.

Thirty-four of our best designs have been assembled in a handsome book called "Beautiful Homes." Each design has been built many times and is a monument to our business.

All plans are full of *style* and *snap*—they are *practical—different* from the ordinary.

"THE BUNGALOW MAN"
TRADE MARK REG.
WALTER G. TRUETTNER
BUILDER
4728 LISBON AVE. MILWAUKEE, WIS.

RAIN WHEN YOU WANT IT



Have More Garden By Having Less

NOT only can you have *twice the amount* of vegetables or flowers from *the same space;* or *the same amount* from *half the space;* but what you have will be far superior, in every way if your garden is Skinner System watered.

Just *why* and exactly *how* it accomplishes these seemingly impossible things is fully told and freely illustrated in our Catalog called "Your Watering Problem—Its Solution." Send for it.

$9.75 buys a Portable Rain Maker—18 feet long.

The Skinner Irrigation Co.
231 Water St., Troy, Ohio

SKINNER SYSTEM OF IRRIGATION

Solves Your Grass Cutting Problem

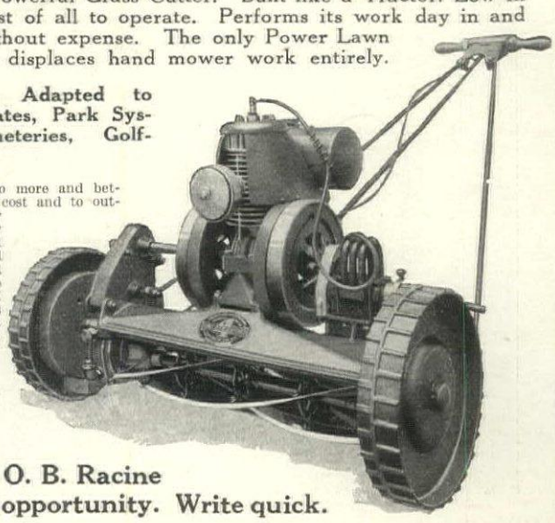
Write us today for big **FREE** illustrated book "LAWNS BEAUTIFUL." This book is authority on grass cutting. It tells how to keep your lawn more beautiful—how to reduce your grass cutting expense to less than one quarter the cost of hand cutting with our

"4-ACRE POWER LAWN MOWER"

The Pinnacle of Perfectionin Power Mowers

A Sturdy, Powerful Grass Cutter. Built like a Tractor. Low in cost. Easiest of all to operate. Performs its work day in and day out, without expense. The only Power Lawn Mower that displaces hand mower work entirely.

Particularly Adapted to Private Estates, Park Systems, Cemeteries, Golf-Links.



Guaranteed to do more and better work at less cost and to outlast any other walking power mower of equal size. But get all of the facts and particulars. Write today for **FREE** catalog "Lawns Beautiful." It's the best book on grass cutting ever published.

Price reduced to only $270.00 F. O. B. Racine
A dealer's opportunity. Write quick.

JACOBSEN MANUFACTURING CO.
Dept. A, Racine, Wisconsin, U. S. A.

AUDUBON BIRD-BATH



A NEWLY patented bird-bath—decorative and permanent; designed with scientific regard for bird habits, endorsed and recommended by National Audubon Society.

PERCHES

with shallow water on one side, deep water on the other; a gently sloping bottom; and a center piece to hold food, or if connected with running water, to spread the flow and make a

SHOWER BATH

Send for illustrated "Bird-Bath" Circular.

Sun dials, wall fonts, and every variety of molded stone garden furniture. Special designs to your order.

J. C. Kraus Cast Stone Works, Inc.
373 Lexington Avenue New York

"An All Year Round Garden"



Patented Jan. 23, 1917

SAVO Steel Flower and Plant Box

Self-Watering *and* Sub-Irrigating

For Windows, Porches, Ledges, Sun Parlors, Etc.

You can move Savo Boxes indoors or out and have beautiful flowers and plants the year round. *Leak proof and rust proof.* Perfect AIR circulation and drainage. Aluminum or Dark Green Enamel finish. Six sizes. Most efficient Flower and Plant Box made.

Ask your dealer or write for free booklet

Savo Manufacturing Co. Dept. C. 111 W. Monroe St., Chicago



BEAUTIFY YOUR HEDGE
with the
LITTLE WONDER HEDGE TRIMMER

Trade Mark Reg. U. S. Pat. Office.

THIS invention takes the work out of hedge-trimming. Trims 5 to 10 times as fast as by hand—various adjustments and attachments suit it to every shape and cut desired.

$27.50 PREPAID east of the Mississippi
$30.00 west of the Mississippi
Light and easy to operate.



Will trim back the new growth of hedge during the summer months and keep your hedge as neat as your lawn. Is mechanically perfect and made of the best of materials. Weighs sixteen pounds. Numerous testimonials from users. Complete instructions accompany each machine. Sold by leading dealers. Write today, enclosing check, and we will ship your machine at once. References. Circulars on request.

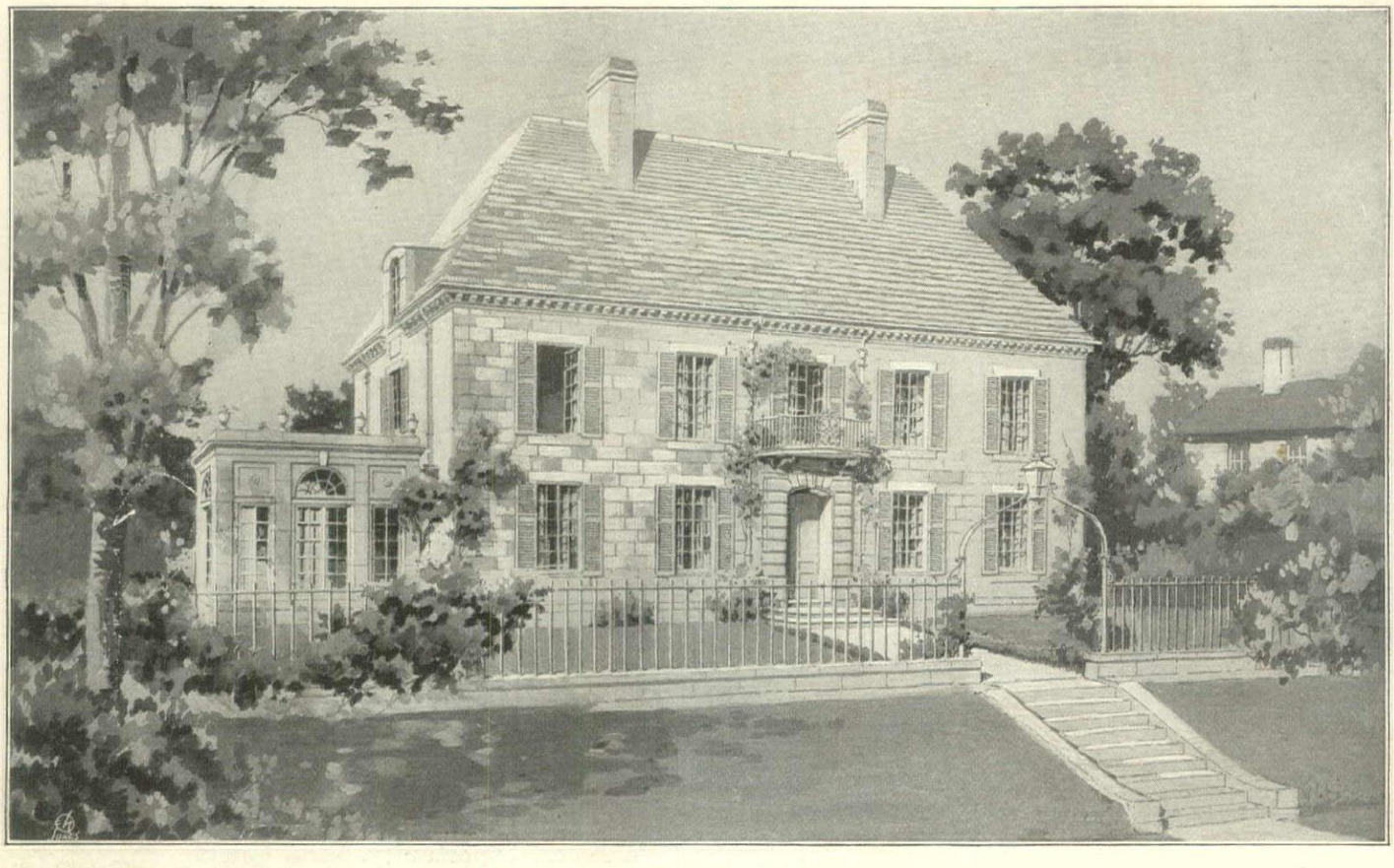
JOHN C. DETTRA MACHINE CO.,
OAKS, Montgomery County, PENN.



Rustic Art—Garden Statuary of Charm

LIFE-SIZE weather-proof figures of all kinds of animals (deer, dogs, water birds, parrots in swing, owls, frogs, snakes, eagles, monkeys, elephants, snails, salamanders, turtles, pigeons, etc.) Gnomes, of great variety, groups such as Red Riding Hood and wolf, giant mushrooms, and tree stumps for garden seats of various sizes. Unequalled workmanship and finish, nature-like appearance and colors. *Astonishing effects obtained through clever grouping of animals or other figures, try a few this summer and surprise your friends.*

Send for illustrated sheets "A" State kind of figures desired **TERRA COTTA ART CO., Inc.** 126 East 41st Street near Lexington Avenue, New York City



Our booklet, "Designs for Homes Built of Indiana Limestone," sent free upon request

A Home That Immediately Increases Your Land Value

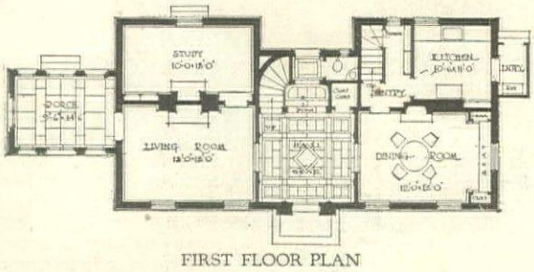
This is a day of changing property values. The home builder today must foresee the future worth of his investment. The kind of a house he builds will eventually determine the entire property value.

For the protection of your real estate investment, build your home with Indiana Limestone, "The Nation's Building Stone." *Such homes occasion the greatest increase in land values!*

Home builders find that a native stone, found close at hand, is not necessarily the most economical to use. Often it entails considerable labor cost in obtaining it, shaping, cutting and setting it into the wall. By selecting Indiana Limestone they have the advantages of splendid transportation facilities and the unparalleled resources of this industry.

If you are interested in receiving further information on this low-cost, natural stone, address Indiana Limestone Quarrymen's Association, Box 782, Bedford, Indiana.

INDIANA LIMESTONE
THE NATION'S BUILDING STONE

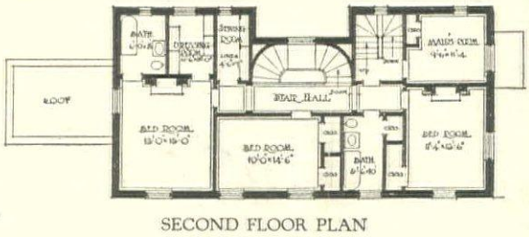


FIRST FLOOR PLAN

The front entrance opens on a central hall extending through the depth of house, with curving stairway at rear, giving spaciousness to the lower story, and the arrangement of hall, living and dining rooms enables these rooms to be combined for entertaining purposes without disturbing the seclusion of the study or library at rear of living room.

The second floor is well arranged, having good size Master's bedroom with private bath and dressing room, two other fair size bedrooms, bath and maid's room—all with ample closet accommodation.

INDIANA LIMESTONE



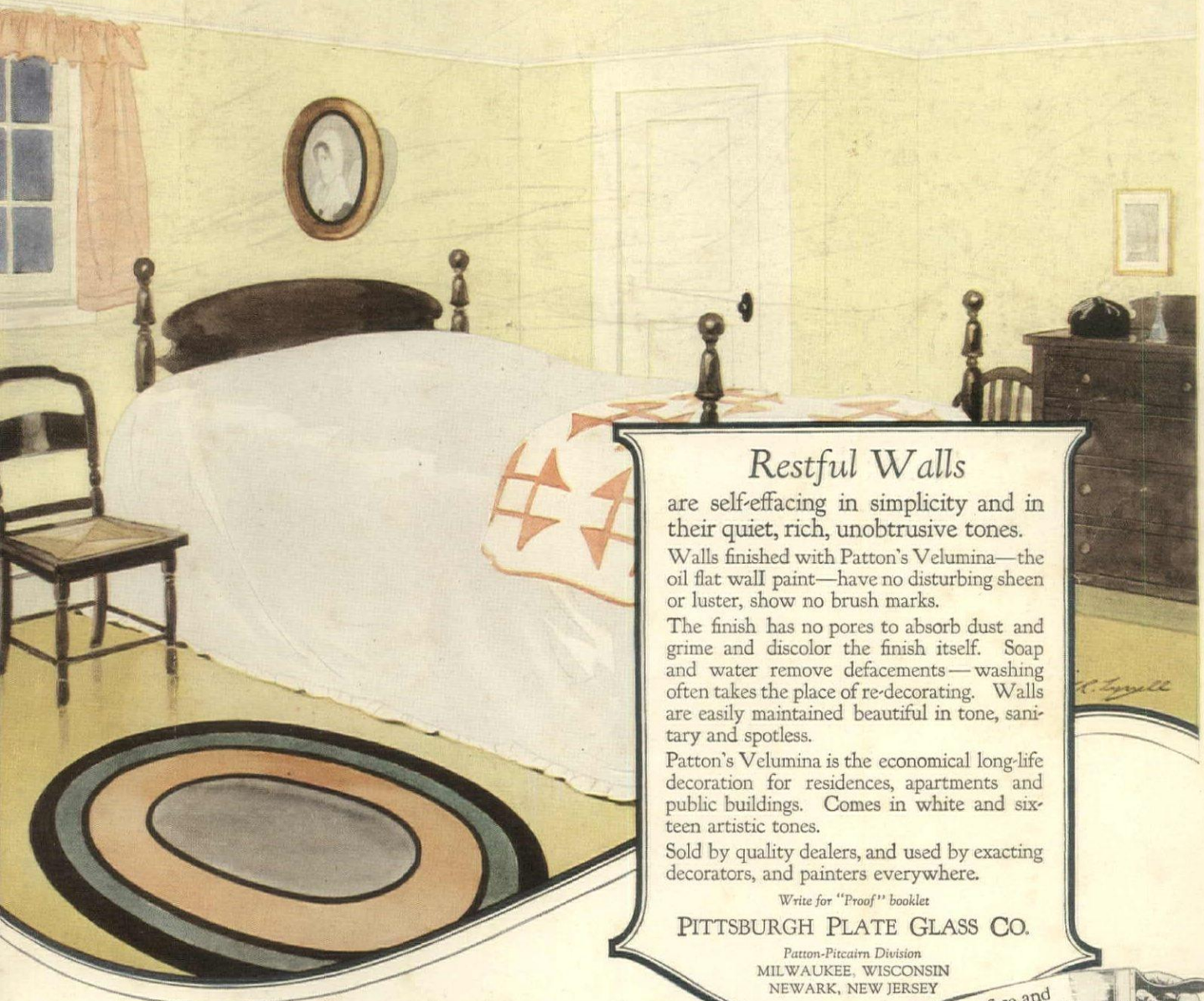
SECOND FLOOR PLAN

Carey-Craft
THE CAREY PRINTING CO.
NEW YORK

PATTON'S Velumina

The Oil Flat Wall Paint

Pore-Proof



Restful Walls

are self-effacing in simplicity and in their quiet, rich, unobtrusive tones.

Walls finished with Patton's Velumina—the oil flat wall paint—have no disturbing sheen or luster, show no brush marks.

The finish has no pores to absorb dust and grime and discolor the finish itself. Soap and water remove defacements—washing often takes the place of re-decorating. Walls are easily maintained beautiful in tone, sanitary and spotless.

Patton's Velumina is the economical long-life decoration for residences, apartments and public buildings. Comes in white and sixteen artistic tones.

Sold by quality dealers, and used by exacting decorators, and painters everywhere.

Write for "Proof" booklet

PITTSBURGH PLATE GLASS CO.

Patton-Pitcairn Division
MILWAUKEE, WISCONSIN
NEWARK, NEW JERSEY

"Save the surface and you save all"—*Paint & Varnish*

PITCAIRN AGED VARNISHES

Proof PRODUCTS

INTER-INDUSTRIES OF THE

PATTON'S *Sun Proof* PAINTS

PITTSBURGH PLATE GLASS CO.

PLATE AND WINDOW GLASS · MIRRORS · PAINTS · VARNISHES · BRUSHES · INSECTICIDES

7-DAY MAGAZINE
DATE DUE
REFERENCE
S8 14 28 131

A Shilling in London
A Quarter Here

DISCARDED





PALL MALL

FAMOUS CIGARETTES

Are made from 42 kinds of Turkish Tobacco, selected for mildness, flavor and fragrance.

In boxes of 10-50-100 *(plain or cork)*

PALL MALL *Rounds* 20 in the soft foil package.

THEY ARE GOOD TASTE